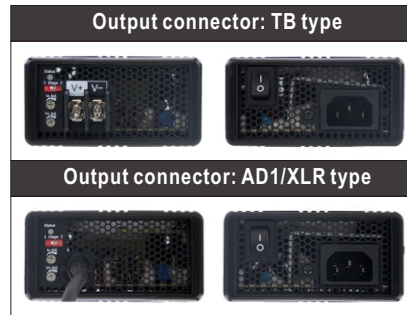




Наличие и актуальные цены на

**NPB-120-12TB**

<https://www.mean-well.ru/store/NPB-120-12TB/>



## Features

- 90~264Vac universal AC input, built-in PFC
- Charger for compatible with lead-acid and li-ion batteries
- **Fanless design**
- **Wide adjustable output range by VR:**
  - ▶ Charging voltage adjustable(10.5~15.2V、21~30.4V、42~60.8V)
  - ▶ Charging current adjustable(50~100% rated current)
- 2 or 3 stage selectable by DIP S.W
- No load power consumption< 0.15W(AC S.W off)
- -30℃~+70℃ wide operating temperature
- Protections: Short circuit / Over voltage /Over temperature / Battery reverse polarity protection
- Comply with UL/EN62368-1 and EN60335-1/2-29 **dual certification**
- Front panel LED indicator for charging status
- 3 years warranty

## Description

NPB-120 series is a 120W charger for compatible with lead-acid (Flooded, Gel, AGM) and li-ion(Lithium iron, lithium manganese) batteries. This product is a class I power unit (with FG), equipped with a standard IEC320-C14 AC inlet and two or three-stage charging control. The entire series supplies different models with output voltages ranging between 10.5VDC and 60.8VDC that can satisfy the demands for various types of batteries devices.

## Model Encoding

NPB - 120 - 24 XLR

- Output connector type  
(other options available by customers requested, please refer to page 6)
- Nominal voltage (14.4V/28.8V/57.6V)
- Rated wattage
- Series name

| Type | Output Connector                                                                                                  | Safety                                                                               | Note     |
|------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------|
| XLR  | 3 pin power pin                |  | In Stock |
| AD1  | Anderson Equivalent Connector  | (48V UL certificated same as TB Type)                                                | In Stock |
| TB   | Terminal Block                 |  | In Stock |

## Applications

- Radio system backup solution
- Electric scooter charger
- Camping car 、 Buses 、 Heavy duty truck 、 Specialty vehicles
- Surveillance system
- Portable power tools

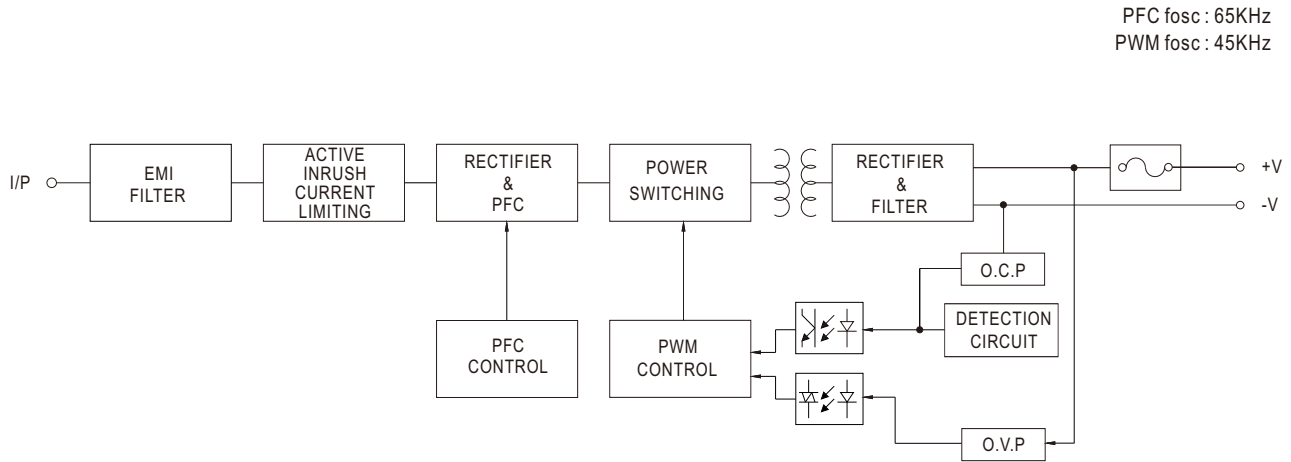
## GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

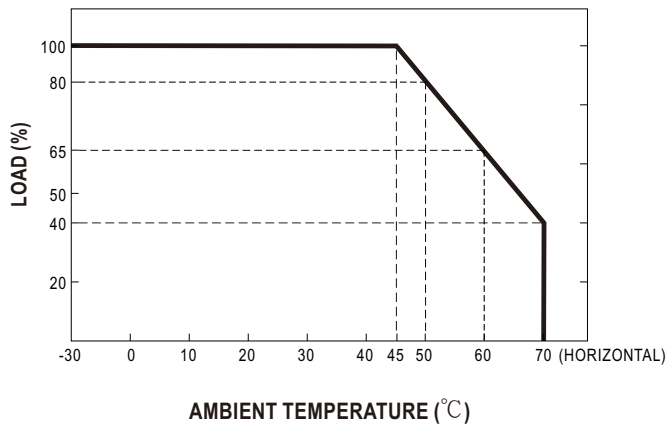
**SPECIFICATION**

| MODEL                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NPB-120-12□                                                                                                                                                                                   |                                                  | NPB-120-24□  |       | NPB-120-48□                                                              |       |  |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------|-------|--------------------------------------------------------------------------|-------|--|
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | □ =XLR, AD1, TB                                                                                                                                                                               |                                                  |              |       |                                                                          |       |  |
| OUTPUT                   | BOOST CHARGE VOLTAGE(Vboost)(default)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 14.4V                                                                                                                                                                                         |                                                  | 28.8V        |       | 57.6V                                                                    |       |  |
|                          | FLOAT CHARGE VOLTAGE(Vfloat)(default)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 13.8V                                                                                                                                                                                         |                                                  | 27.6V        |       | 55.2V                                                                    |       |  |
|                          | VOLTAGE ADJUSTABLE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 10.5 ~ 15.2V                                                                                                                                                                                  |                                                  | 21 ~ 30.4V   |       | 42 ~ 60.8V                                                               |       |  |
|                          | OUTPUT CURRENT(Typ.) Note.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.8A                                                                                                                                                                                          |                                                  | 4A           |       | 2A                                                                       |       |  |
|                          | CURRENT ADJUSTABLE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50% ~ 100%                                                                                                                                                                                    |                                                  |              |       |                                                                          |       |  |
|                          | MAX. POWER Note.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 103.4W                                                                                                                                                                                        |                                                  | 121.6W       |       | 121.6W                                                                   |       |  |
|                          | RECOMMENDED BATTERY CAPACITY (AMP HOURS) Note.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20 ~ 90AH                                                                                                                                                                                     |                                                  | 15 ~ 50AH    |       | 7 ~ 25AH                                                                 |       |  |
|                          | LEAKAGE CURRENT FROM BATTERY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <1mA                                                                                                                                                                                          |                                                  |              |       |                                                                          |       |  |
| INPUT                    | VOLTAGE RANGE Note.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 90 ~ 264VAC                                                                                                                                                                                   |                                                  | 127 ~ 370VDC |       |                                                                          |       |  |
|                          | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 47 ~ 63Hz                                                                                                                                                                                     |                                                  |              |       |                                                                          |       |  |
|                          | POWER FACTOR (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PF>0.98/115VAC, PF>0.92/230VAC@12V,PF>0.93/230VAC@24/48V at full load                                                                                                                         |                                                  |              |       |                                                                          |       |  |
|                          | EFFICIENCY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | XLR                                                                                                                                                                                           | 86.5%                                            |              | 89%   |                                                                          | 90.5% |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | AD1                                                                                                                                                                                           | 86.5%                                            |              | 89%   |                                                                          | 90.5% |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TB                                                                                                                                                                                            | 87%                                              |              | 89.5% |                                                                          | 90.5% |  |
|                          | AC CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.5A/115VAC                                                                                                                                                                                   |                                                  | 0.8A/230VAC  |       |                                                                          |       |  |
|                          | INRUSH CURRENT (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | COLD START 55A at 230VAC                                                                                                                                                                      |                                                  |              |       |                                                                          |       |  |
| LEAKAGE CURRENT          | <0.75mA/240VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                               |                                                  |              |       |                                                                          |       |  |
| PROTECTION               | SHORT CIRCUIT Note.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Protection type : Constant current limiting, charger will shutdown after 5 sec, re-power on to recover                                                                                        |                                                  |              |       |                                                                          |       |  |
|                          | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 16 ~ 20V                                                                                                                                                                                      |                                                  | 32 ~ 40V     |       | 64 ~ 75V                                                                 |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Protection type : Shut down and latch off o/p voltage, re-power on to recover                                                                                                                 |                                                  |              |       |                                                                          |       |  |
|                          | REVERSE POLARITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | By internal fuse open                                                                                                                                                                         |                                                  |              |       |                                                                          |       |  |
| OVER TEMPERATURE         | Hiccup mode, recovers automatically after temperature goes down                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                               |                                                  |              |       |                                                                          |       |  |
| FUNCTION                 | CHARGING CURVE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 or 3 stage adjustable by DIP S.W                                                                                                                                                            |                                                  |              |       |                                                                          |       |  |
| ENVIRONMENT              | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -30 ~ +70℃ (Refer to "Derating Curve")                                                                                                                                                        |                                                  |              |       |                                                                          |       |  |
|                          | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20 ~ 95% RH non-condensing                                                                                                                                                                    |                                                  |              |       |                                                                          |       |  |
|                          | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -40 ~ +85℃, 10 ~ 95% RH non-condensing                                                                                                                                                        |                                                  |              |       |                                                                          |       |  |
|                          | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ±0.05%/℃ (0 ~ 45℃ )                                                                                                                                                                           |                                                  |              |       |                                                                          |       |  |
|                          | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes                                                                                                                                  |                                                  |              |       |                                                                          |       |  |
| SAFETY & EMC<br>(Note 7) | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | CB IEC62368-1,IEC60335-1/2-29, Dekra BS EN/EN62368-1,BS EN/EN60335-1/2-29, UL62368-1, AS/NZS60335-1/2-29, J62368-1(2020) (except for 48XLR & TB type),EAC TP TC 004, BSMI CNS15598-1 approved |                                                  |              |       |                                                                          |       |  |
|                          | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC                                                                                                                                                     |                                                  |              |       |                                                                          |       |  |
|                          | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃ / 70% RH                                                                                                                                     |                                                  |              |       |                                                                          |       |  |
|                          | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Parameter                                                                                                                                                                                     | Standard                                         |              |       | Test Level / Note                                                        |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Conducted                                                                                                                                                                                     | BS EN/EN55032 (CISPR32),BS EN/EN55014-1,CNS15936 |              |       | Class B                                                                  |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Radiated                                                                                                                                                                                      | BS EN/EN55032 (CISPR32),BS EN/EN55014-1,CNS15936 |              |       | Class B                                                                  |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Harmonic Current                                                                                                                                                                              | BS EN/EN61000-3-2                                |              |       | Class A                                                                  |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Voltage Flicker                                                                                                                                                                               | BS EN/EN61000-3-3                                |              |       | -----                                                                    |       |  |
|                          | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | BS EN/EN55014-2,BS EN/EN55024,BS EN/EN55035,J55032(H29) (except for 48XLR & TB type)                                                                                                          |                                                  |              |       |                                                                          |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Parameter                                                                                                                                                                                     | Standard                                         |              |       | Test Level / Note                                                        |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ESD                                                                                                                                                                                           | BS EN/EN61000-4-2                                |              |       | Level 3, 8KV air ; Level 2, 4KV contact                                  |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Radiated                                                                                                                                                                                      | BS EN/EN61000-4-3                                |              |       | Level 2, 3V/m                                                            |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | EFT / Burst                                                                                                                                                                                   | BS EN/EN61000-4-4                                |              |       | Level 2, 1KV                                                             |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Surge                                                                                                                                                                                         | BS EN/EN61000-4-5                                |              |       | Level 2, 1KV/Line-Line,Level 3, 2KV/Line-Earth                           |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Conducted                                                                                                                                                                                     | BS EN/EN61000-4-6                                |              |       | Level 2, 3Vrms                                                           |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Magnetic Field                                                                                                                                                                                | BS EN/EN61000-4-8                                |              |       | Level 1, 1A/m                                                            |       |  |
|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Voltage Dips and Interruptions                                                                                                                                                                | BS EN/EN61000-4-11                               |              |       | >95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods |       |  |
| OTHERS                   | MTBF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1895.4K hrs min. Telcordia TR/SR-332 (Bellcore) ; 225.8K hrs min. MIL-HDBK-217F (25℃)                                                                                                         |                                                  |              |       |                                                                          |       |  |
|                          | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 182.7*96*49mm (L*W*H)                                                                                                                                                                         |                                                  |              |       |                                                                          |       |  |
|                          | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1.3Kg; 10pcs/ 14Kg / 1.13CUFT                                                                                                                                                                 |                                                  |              |       |                                                                          |       |  |
| NOTE                     | 1. Modification for charger specification may be required for different battery specification. Please contact battery vendor and MEAN WELL for details.<br>2. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.<br>3. Refer to derating curve.<br>4. This is MEAN WELL's suggested range. Please consult your battery manufacturer for their suggestions about maximum charging current limitation.<br>5. Derating may be needed under low input voltages. Please check the derating curve for more details.<br>6. This protection mechanism is specified for the case the short circuit occurs after the charger is turned on.<br>7. The charger is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies."<br>(as available on <a href="https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf">https://www.meanwell.com/Upload/PDF/EMI_statement_en.pdf</a> )<br>※ Product Liability Disclaimer : For detailed information, please refer to <a href="https://www.meanwell.com/serviceDisclaimer.aspx">https://www.meanwell.com/serviceDisclaimer.aspx</a> |                                                                                                                                                                                               |                                                  |              |       |                                                                          |       |  |

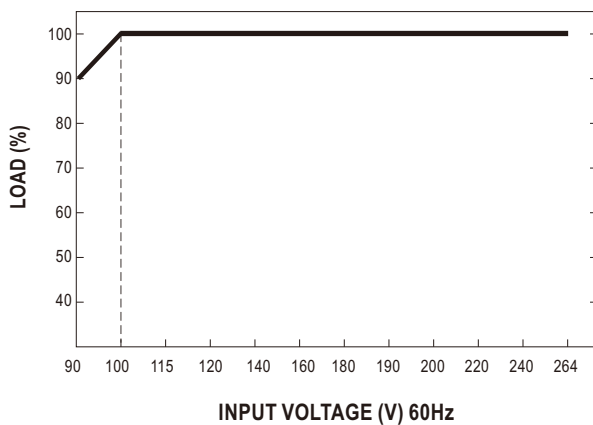
## Block Diagram



## Derating Curve



## Static Characteristics

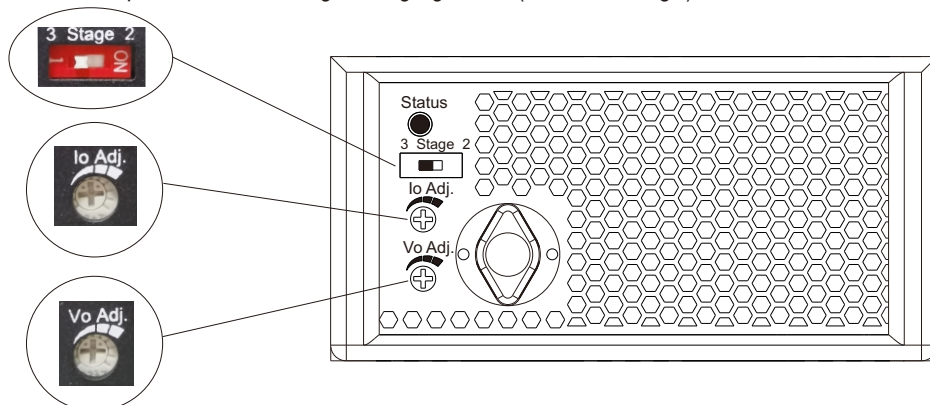


## Function Manual

### 1. Charging Curve

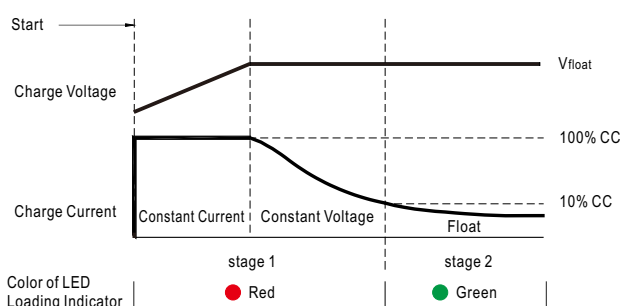
#### 1-1 2 or 3 stage selectable by DIP S.W

※ This series provides 2 or 3 stage charging curve. (Default 3 stage)

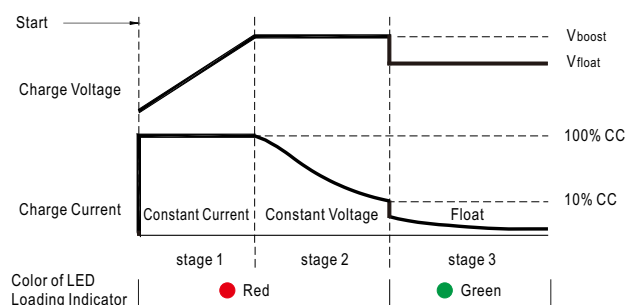


#### 1-2 Charging Curve by DIP S.W

##### ◎ 2 stage charging curve



##### ◎ 3 stage charging curve



◎ 2 stage charging cure is suitable for Li-ion batteries (lithium iron and lithium manganese),

3 stage charging cure is suitable for lead-acid batteries (flooded, Gel and AGM).

### 2. Charging voltage adjustable by VR

| Model                           | NPB-120-12 <input type="checkbox"/> | NPB-120-24 <input type="checkbox"/> | NPB-120-48 <input type="checkbox"/> |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Output voltage adjustable range | 10.5~15.2V                          | 21~30.4V                            | 42~60.8V                            |



### 3. Charging current adjustable by VR

| Model                           | NPB-120-12 <input type="checkbox"/> | NPB-120-24 <input type="checkbox"/> | NPB-120-48 <input type="checkbox"/> |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Output current adjustable range | 3.4~6.8A                            | 2~4A                                | 1~2A                                |



### 4. Front panel LED indicators & Corresponding signal at function pins

| LED   | Description                     |
|-------|---------------------------------|
| Green | Float (stage 3) or Battery full |
| Red   | Charging (stage 1 or stage 2)   |

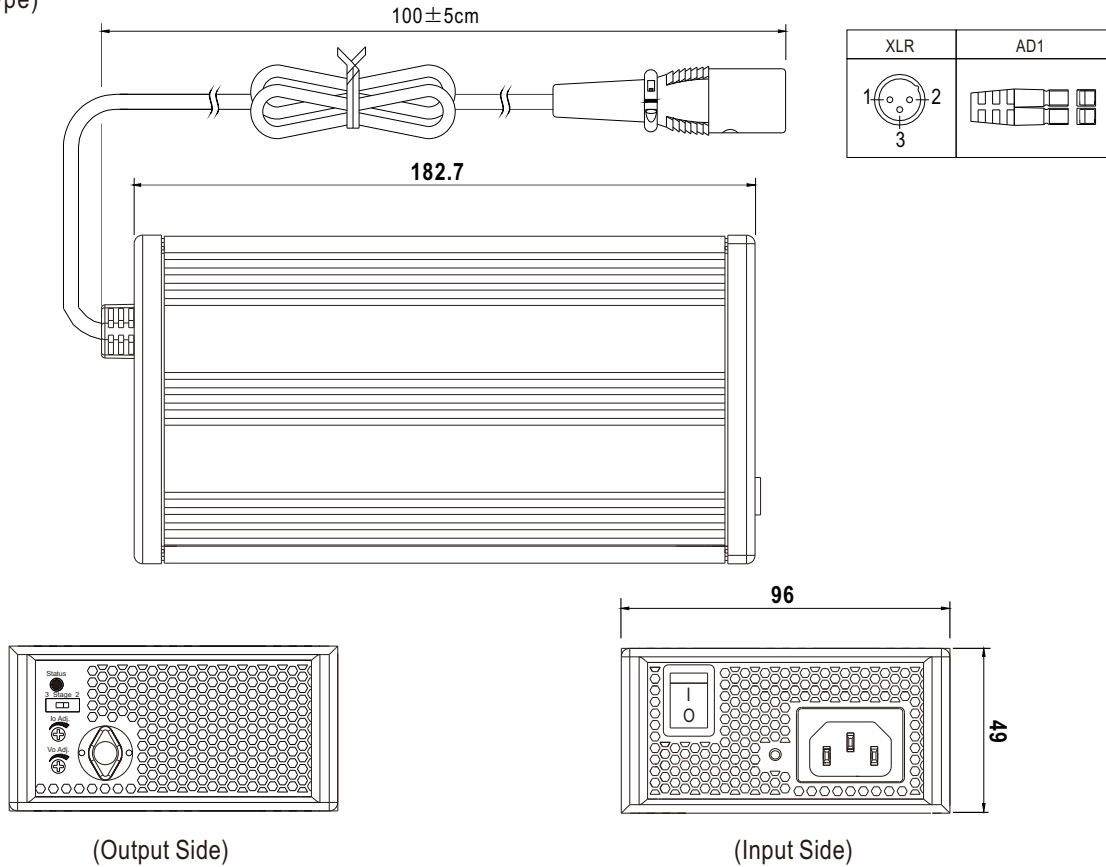


### ■ Mechanical Specification

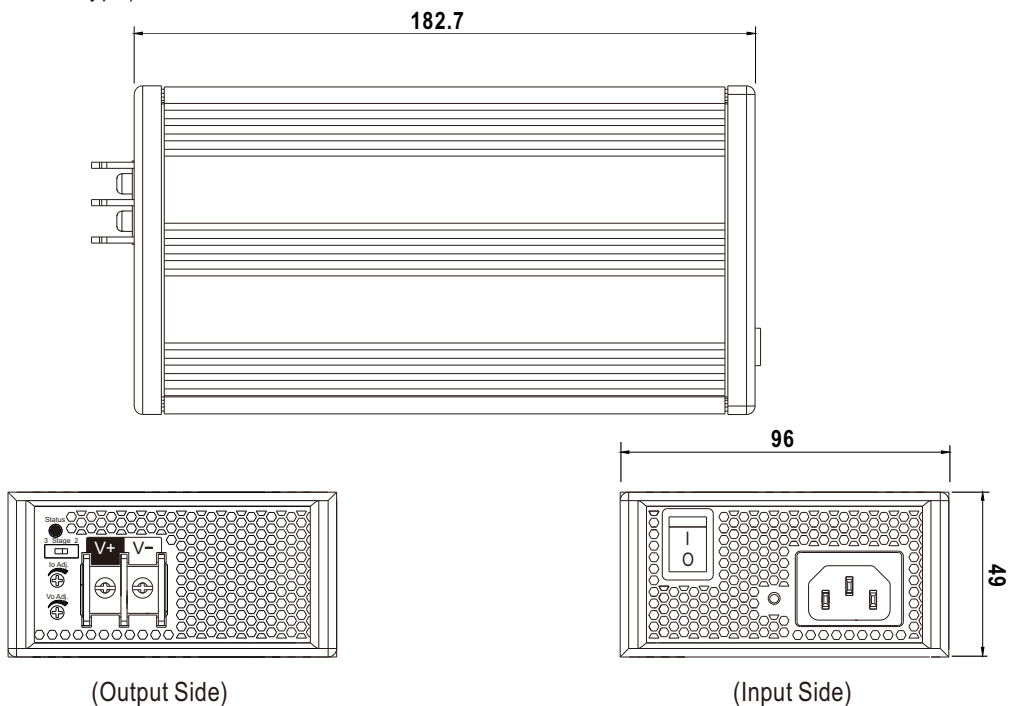
(Unit: mm , tolerance  $\pm 1$ mm)

Case No.PS-120F

#### ◎ NPB-120-xx XLR/AD1 (Cable Type)



#### ◎ NPB-120-xx TB (Terminal Block Type)

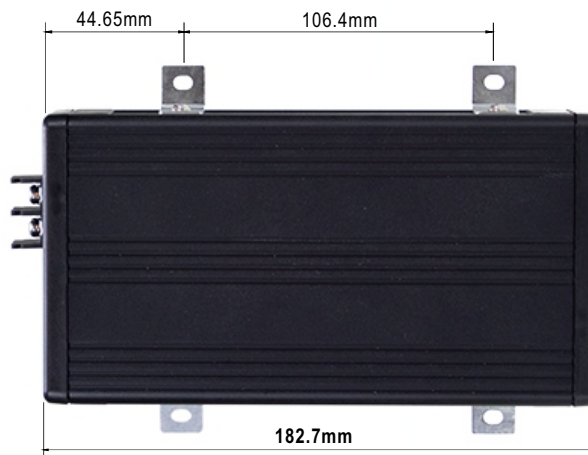
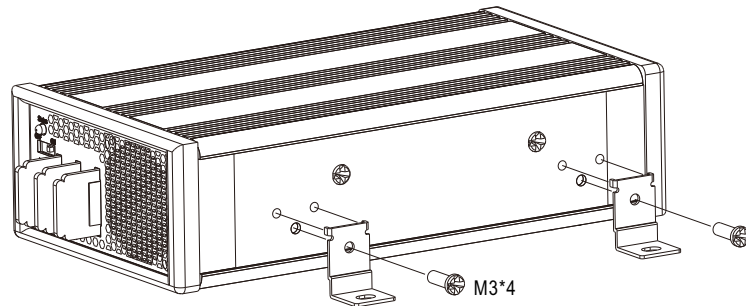


### ■ Accessory List

※ Bracket (Optional accessory, Should ordered separately)

| MW's Order No. | Item                                                                              | Quantity       |
|----------------|-----------------------------------------------------------------------------------|----------------|
| PGG2MHS012D    |  | 4pcs/per model |

### ■ Installation Diagram



## ■ Plug Assignment

### ◎ Standard Output Connector

| 3pin XLR                         |        |  |
|----------------------------------|--------|--|
| UNICABLE 89M103-3P or equivalent |        |  |
| PIN NO.                          | OUTPUT |  |
| 1                                | +V     |  |
| 2,3                              | -V     |  |



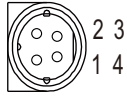
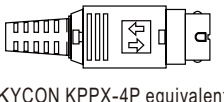
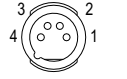
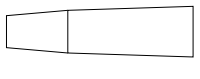
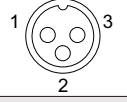
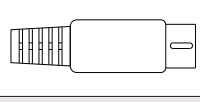
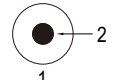
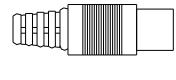
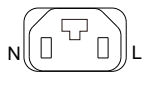
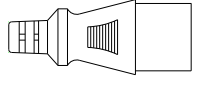
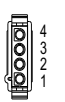
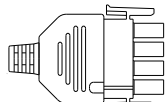
| AD1                                                                                                |           |
|----------------------------------------------------------------------------------------------------|-----------|
| housing: Anderson 1327(red), 1327G6(black) equivalent<br>contacts: Anderson 261G2 (45A) equivalent |           |
| Red(+V)                                                                                            | Black(-V) |



| TB                                              |    |
|-------------------------------------------------|----|
| DT-66-B11W-02 or equivalent<br>Rating: 300V 40A |    |
| +V                                              | -V |



### ◎ Optional DC plug: (Available in customized)

| Min. DIN 4 Pin with Lock (male)                                                                                                                                                                                                                                                                     | Type No. | Pin Assignment |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------|--------------|
|                                                                                                                                                                                                                                                                                                     |          | PIN No.        | Output(<7A)  |
|   <br>KYCON KPPX-4P equivalent                   | R7B      | 1              | +Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 2              | -Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 3              | -Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 4              | +Vo          |
| DIN 4 Pin XLR                                                                                                                                                                                                                                                                                       | Type No. | Pin Assignment |              |
|                                                                                                                                                                                                                                                                                                     |          | PIN No.        | Output(<10A) |
|                                             | XLR4     | 1              | +Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 2              | +Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 3              | -Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 4              | -Vo          |
| DIN 3 Pin                                                                                                                                                                                                                                                                                           | Type No. | Pin Assignment |              |
|                                                                                                                                                                                                                                                                                                     |          | PIN No.        | Output(<7A)  |
|                                            | D3P      | 1              | +Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 2              | -Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 3              | -Vo          |
| DIN 2 Pin                                                                                                                                                                                                                                                                                           | Type No. | Pin Assignment |              |
|                                                                                                                                                                                                                                                                                                     |          | PIN No.        | Output(<5A)  |
|                                            | D2P      | 1              | -Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 2              | +Vo          |
| DIN 3 Pin                                                                                                                                                                                                                                                                                           | Type No. | Pin Assignment |              |
|                                                                                                                                                                                                                                                                                                     |          | PIN No.        | Output(<10A) |
|                                            | INL3     | N              | +Vo          |
|                                                                                                                                                                                                                                                                                                     |          | L              | -Vo          |
| AMP 1-480702-0 (6.35mm) equivalent                                                                                                                                                                                                                                                                  | Type No. | Pin Assignment |              |
|                                                                                                                                                                                                                                                                                                     |          | PIN No.        | Output(<7A)  |
|   <br>FG not connected to output connector | C4P      | 1              | +Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 2              | +Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 3              | -Vo          |
|                                                                                                                                                                                                                                                                                                     |          | 4              | -Vo          |

## ■ INSTALLATION MANUAL

Please refer to : <http://www.meanwell.com/manual.html>