



Наличие и актуальные цены на

**GC30E-6P1J**

<https://www.mean-well.ru/store/GC30E-6P1J/>



## 16.8 ~ 30W Power Adaptor with Charging Function

## GC30E series



### ■ Features :

- Charger for lead-acid batteries (flooded, Gel and AGM) and li-ion batteries (lithium iron and lithium manganese) (Note.1)
- Universal AC input / Full range
- With EURO type 6 FT power cord(2pin)
- Class II power (without earth pin)
- No load power consumption <1.0W
- Constant current and voltage(CC,CV mode)
- Suitable for continue load
- For high surge current equipment
- Protections: Short circuit / Overload / Over voltage / Over temp.
- 2 colors LED indicate for loading status
- Fully enclosed plastic case
- High reliability
- Approvals: TUV / EAC / CB / FCC / CE / UKCA
- 2 years warranty

### User's Manual



### Video



### ■ GTIN CODE

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

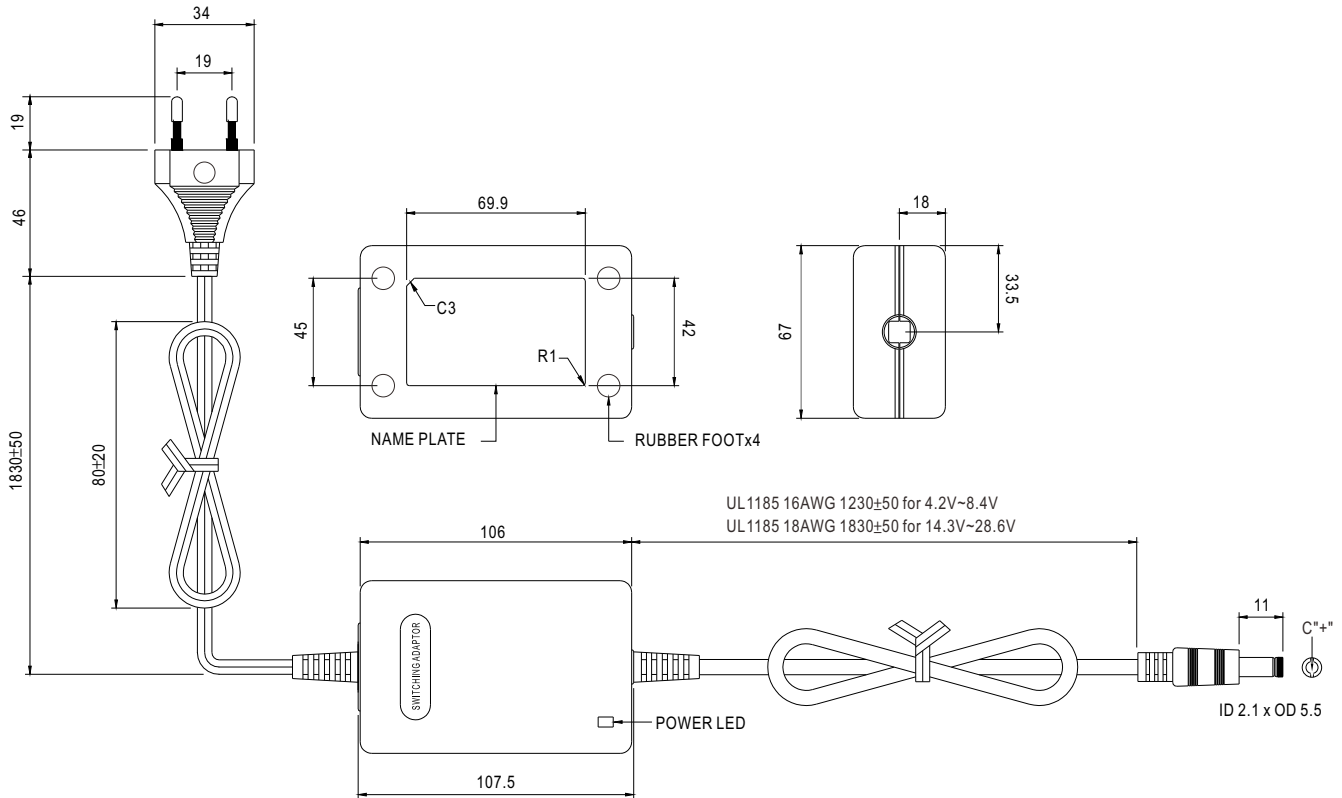


### SPECIFICATION

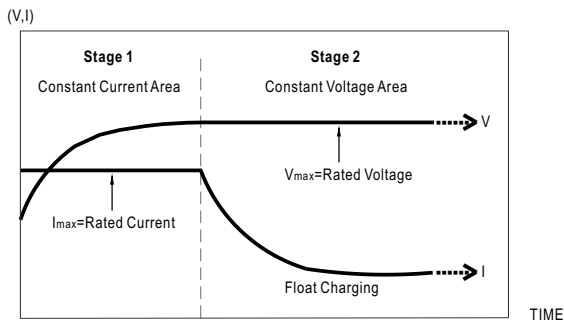
| ORDER NO.                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GC30E-0P1J                                                                                                                                                         | GC30E-1P1J | GC30E-11P1J | GC30E-2P1J | GC30E-4P1J   | GC30E-5P1J | GC30E-6P1J   |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------------|--------------|------------|--------------|
| OUTPUT                    | SAFETY MODEL NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GC30E-0                                                                                                                                                            | GC30E-1    | GC30E-11    | GC30E-2    | GC30E-4      | GC30E-5    | GC30E-6      |
|                           | DC VOLTAGE SET AT <span>Note.3</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4.2V                                                                                                                                                               | 5.6V       | 7.2V        | 8.4V       | 14.3V        | 16.8V      | 28.6V        |
|                           | RATED CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4A                                                                                                                                                                 | 3.99A      | 3A          | 3A         | 2.09A        | 1.6A       | 1.04A        |
|                           | CURRENT RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0 ~ 4A                                                                                                                                                             | 0 ~ 3.99A  | 0 ~ 3A      | 0 ~3A      | 0 ~ 2.09A    | 0 ~ 1.6A   | 0 ~ 1.04A    |
|                           | RATED POWER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 16.8W                                                                                                                                                              | 22.38W     | 21.6W       | 25.2W      | 30W          | 27W        | 30W          |
|                           | RIPPLE & NOISE (max.) <span>Note.4</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 50mVp-p                                                                                                                                                            | 50mVp-p    | 80mVp-p     | 80mVp-p    | 100mVp-p     | 100mVp-p   | 150mVp-p     |
|                           | CHARGING VOLTAGE RANGE <span>Note.5</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3.6 ~ 4.4V                                                                                                                                                         | 5 ~ 5.8V   | 6.5 ~ 7.5V  | 7.7 ~ 8.6V | 13.5 ~ 14.5V | 16 ~ 17V   | 27.1 ~ 28.8V |
|                           | LINE REGULATION <span>Note.6</span>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ±1.0%                                                                                                                                                              | ±0.5%      | ±0.5%       | ±0.5%      | ±0.5%        | ±0.5%      | ±0.5%        |
| LED INDICATOR             | Green LED ON < 100mA, Red LED ON > 250mA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                    |            |             |            |              |            |              |
| SETUP, RISE, HOLD UP TIME | 200ms, 50ms, 16ms at full load                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                    |            |             |            |              |            |              |
| INPUT                     | VOLTAGE RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 90 ~ 264VAC 127 ~ 370VDC                                                                                                                                           |            |             |            |              |            |              |
|                           | FREQUENCY RANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 47 ~ 63Hz                                                                                                                                                          |            |             |            |              |            |              |
|                           | EFFICIENCY (Typ.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 55%                                                                                                                                                                | 70%        | 74%         | 76%        | 78%          | 78%        | 80%          |
|                           | AC CURRENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.7A / 100VAC; 0.35A/ 230VAC                                                                                                                                       |            |             |            |              |            |              |
|                           | INRUSH CURRENT (max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 40A/ 230VAC                                                                                                                                                        |            |             |            |              |            |              |
|                           | LEAKAGE CURRENT(max.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.25mA / 240VAC                                                                                                                                                    |            |             |            |              |            |              |
| PROTECTION                | OVERLOAD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 90 ~ 110% Constant current mode and over 300% pulsing mode<br>Protection type : Constant current limiting, recovers automatically after fault condition is removed |            |             |            |              |            |              |
|                           | OVER VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 110 ~ 135% rated output voltage<br>Protection type : Clamp by zener diode                                                                                          |            |             |            |              |            |              |
|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC1_Tj > 130℃                                                                                                                                                      |            |             |            |              |            |              |
|                           | OVER TEMPERATURE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Protection type : Shut down o/p voltage, recovers automatically after temperature goes down                                                                        |            |             |            |              |            |              |
| ENVIRONMENT               | WORKING TEMP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0 ~ +50℃ (Refer to output load derating curve)                                                                                                                     |            |             |            |              |            |              |
|                           | WORKING HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20% ~ 90% RH non-condensing                                                                                                                                        |            |             |            |              |            |              |
|                           | STORAGE TEMP., HUMIDITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -20 ~ +85℃, 10 ~ 95% RH                                                                                                                                            |            |             |            |              |            |              |
|                           | TEMP. COEFFICIENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ±0.03% / ℃ (0 ~ 50℃)                                                                                                                                               |            |             |            |              |            |              |
|                           | VIBRATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes                                                                                            |            |             |            |              |            |              |
| SAFETY & EMC              | SAFETY STANDARDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | TUV BS EN/EN62368-1, EAC TP TC 004 approved                                                                                                                        |            |             |            |              |            |              |
|                           | WITHSTAND VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | I/P-O/P:3KVAC                                                                                                                                                      |            |             |            |              |            |              |
|                           | ISOLATION RESISTANCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH                                                                                                                          |            |             |            |              |            |              |
|                           | EMC EMISSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Compliance to BS EN/EN55014-1 class B, FCC part 15 Class B, EAC TP TC 020                                                                                          |            |             |            |              |            |              |
|                           | EMC IMMUNITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Compliance to BS EN/EN61000-4-2,3,4,5,6,11, light industry level, criteria A, EAC TP TC 020                                                                        |            |             |            |              |            |              |
| OTHERS                    | DIMENSION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 108*67*36mm (L*W*H)                                                                                                                                                |            |             |            |              |            |              |
|                           | PACKING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 405g; 36pcs / 16.5kg / CARTON                                                                                                                                      |            |             |            |              |            |              |
| CONNECTOR                 | PLUG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type center positive for stock ; Other type available by customer requested                                     |            |             |            |              |            |              |
|                           | CABLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Standard type 18Awg UL1185 6ft and 4ft for 4.2V~8.4V output only for stock ; Other type available by customer requested                                            |            |             |            |              |            |              |
| 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 are specified at 230VAC input, rated load, 25℃ 70% RH ambient.<br>3.DC voltage: The output voltage set at point measure by plug terminal & 0% load.<br>4.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.<br>5.Output charging voltage range is measured from 0% to 100% rated load.<br>6.Line regulation is measured from low line to high line at rated load.<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> |                                                                                                                                                                    |            |             |            |              |            |              |

### Mechanical Specification

Unit:mm



### Charging Curve



Suitable for lead-acid batteries (flooded, Gel and AGM) and Li-ion batteries (lithium iron and lithium manganese)

### LED Display

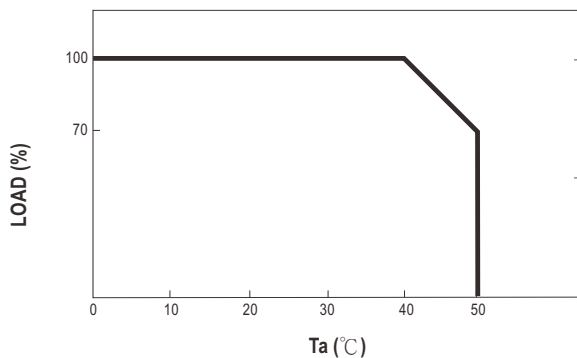
| LED Status | Load Condition |
|------------|----------------|
| Red        | Charging       |
| Green      | Float Charging |

### Plug Assignment

Standard plug: P1J (option)

| P1J    |        |
|--------|--------|
| P/N    | OUTPUT |
| CENTER | +      |

### Derating Curve



### Static Characteristics

