



Наличие и актуальные цены на

**NEL-200-5**

<https://www.mean-well.ru/store/NEL-200-5/>


**Features :**

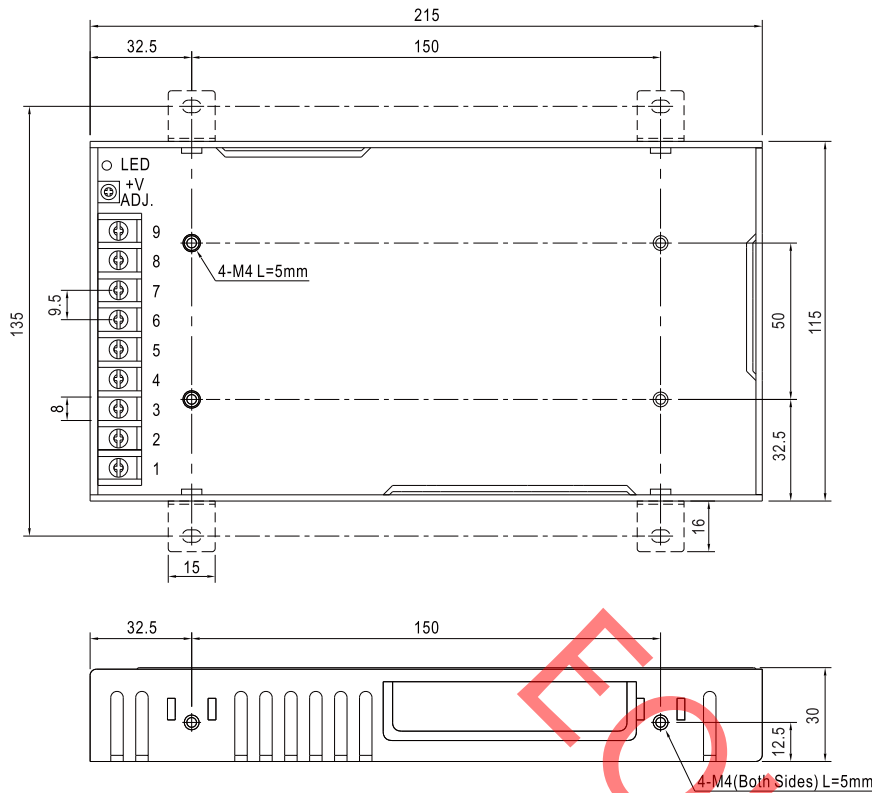
- AC input 180~264VAC
- Protections: Short circuit / Overload / Over voltage/ Over temperature
- Leakage current<1mA
- Cooling by free air convection
- Low profile:30mm
- Withstand 300vac surge input for 5 second
- LED indicator for power on
- Conformal coating
- Low cost,high reliability
- 100% full load burn-in test
- 2 years warranty


**SPECIFICATION**

| MODEL       |                              | NEL-200-2.8                                                                                                                                                                                                                                                                                                                                       | NEL-200-4.2 | NEL-200-5   |
|-------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|
| OUTPUT      | DC VOLTAGE                   | 2.8V                                                                                                                                                                                                                                                                                                                                              | 4.2V        | 5V          |
|             | RATED CURRENT                | 40A                                                                                                                                                                                                                                                                                                                                               | 40A         | 40A         |
|             | CURRENT RANGE                | 0 ~ 40A                                                                                                                                                                                                                                                                                                                                           | 0 ~ 40A     | 0 ~ 40A     |
|             | RATED POWER                  | 112W                                                                                                                                                                                                                                                                                                                                              | 168W        | 200W        |
|             | RIPPLE & NOISE (max.) Note.2 | 150mVp-p                                                                                                                                                                                                                                                                                                                                          | 150mVp-p    | 150mVp-p    |
|             | VOLTAGE ADJ. RANGE           | 2.5 ~ 3V                                                                                                                                                                                                                                                                                                                                          | 3.6 ~ 4.4V  | 4.5 ~ 5.5V  |
|             | VOLTAGE TOLERANCE Note.3     | +3%, -4.5%                                                                                                                                                                                                                                                                                                                                        | +3%, -4.5%  | ±3.0%       |
|             | LINE REGULATION              | ±0.5%                                                                                                                                                                                                                                                                                                                                             | ±0.5%       | ±0.5%       |
|             | LOAD REGULATION              | ±2.5%                                                                                                                                                                                                                                                                                                                                             | ±2.5%       | ±2.0%       |
|             | SETUP, RISE TIME             | 2500ms, 50ms/230VAC                                                                                                                                                                                                                                                                                                                               |             |             |
|             | HOLD UP TIME (Typ.)          | 20ms/230VAC                                                                                                                                                                                                                                                                                                                                       |             |             |
| INPUT       | VOLTAGE RANGE                | 180 ~ 264VAC 254 ~ 370VDC                                                                                                                                                                                                                                                                                                                         |             |             |
|             | FREQUENCY RANGE              | 47 ~ 63Hz                                                                                                                                                                                                                                                                                                                                         |             |             |
|             | EFFICIENCY (Typ.)            | 85%                                                                                                                                                                                                                                                                                                                                               | 87%         | 87%         |
|             | AC CURRENT (Typ.)            | 1.5A/230VAC                                                                                                                                                                                                                                                                                                                                       | 2A/230VAC   | 2.5A/230VAC |
|             | INRUSH CURRENT (Typ.)        | 70A/230VAC                                                                                                                                                                                                                                                                                                                                        |             |             |
|             | LEAKAGE CURRENT              | <1mA / 240VAC                                                                                                                                                                                                                                                                                                                                     |             |             |
| PROTECTION  | OVER LOAD                    | 105 ~ 140% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed                                                                                                                                                                                                                           |             |             |
|             | OVER VOLTAGE                 | 3.22 ~ 3.78V                                                                                                                                                                                                                                                                                                                                      | 4.6 ~ 5.4V  | 5.6 ~ 7V    |
|             |                              | Protection type :Hiccup mode, recovers automatically after fault condition is removed                                                                                                                                                                                                                                                             |             |             |
|             | OVER TEMPERATURE             | Shut down O/P voltage, recovers automatically after temperature goes down                                                                                                                                                                                                                                                                         |             |             |
| ENVIRONMENT | WORKING TEMP.                | -20 ~ +60°C (Refer to output load derating curve)                                                                                                                                                                                                                                                                                                 |             |             |
|             | WORKING HUMIDITY             | 20 ~ 90% RH non-condensing                                                                                                                                                                                                                                                                                                                        |             |             |
|             | STORAGE TEMP., HUMIDITY      | -20 ~ +85°C, 10 ~ 95% RH                                                                                                                                                                                                                                                                                                                          |             |             |
|             | TEMP. COEFFICIENT            | ±0.03%/°C (0 ~ 50°C)                                                                                                                                                                                                                                                                                                                              |             |             |
| SAFETY      | VIBRATION                    | 10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes                                                                                                                                                                                                                                                                                      |             |             |
|             | SAFETY STANDARDS             | UL60950-1 approved                                                                                                                                                                                                                                                                                                                                |             |             |
|             | WITHSTAND VOLTAGE            | I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC                                                                                                                                                                                                                                                                                                         |             |             |
| OTHERS      | ISOLATION RESISTANCE         | I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC / 25°C / 70% RH                                                                                                                                                                                                                                                                                          |             |             |
|             | MTBF                         | 235K hrs min. MIL-HDBK-217F (25°C)                                                                                                                                                                                                                                                                                                                |             |             |
|             | DIMENSION                    | 215*115*30mm (L*W*H)                                                                                                                                                                                                                                                                                                                              |             |             |
| NOTE        | PACKING                      | 0.75Kg;15pcs/12.3Kg/0.78CUFT                                                                                                                                                                                                                                                                                                                      |             |             |
|             |                              | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.<br>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.<br>3. Tolerance : includes set up tolerance, line regulation and load regulation. |             |             |

## Mechanical Specification

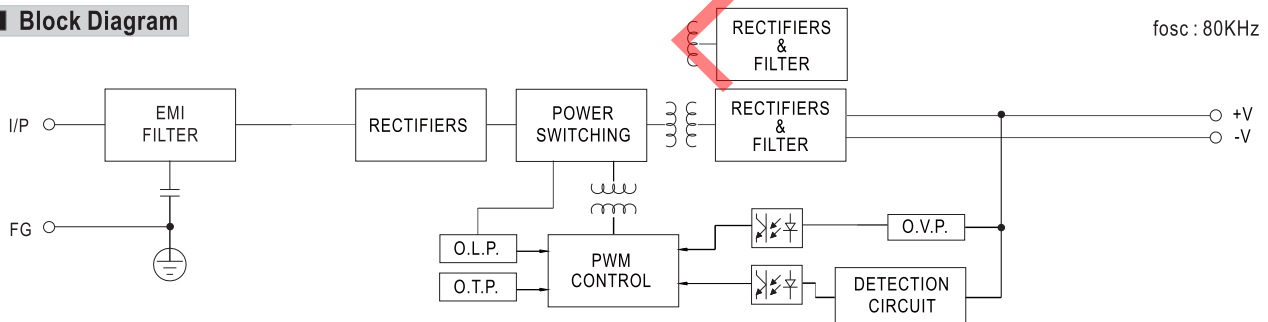
Case No. 207C Unit:mm



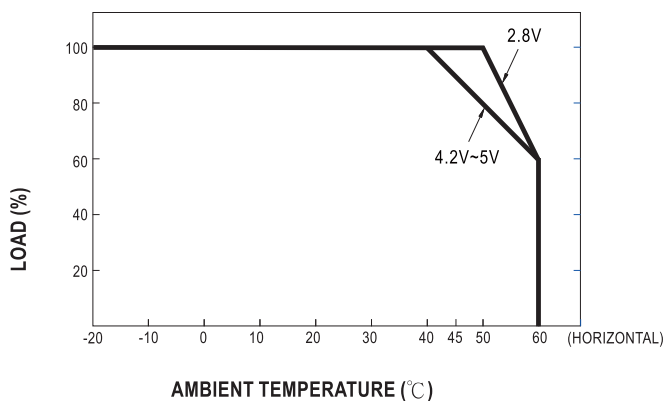
Terminal Pin No. Assignment :

| Pin No. | Assignment | Pin No. | Assignment   |
|---------|------------|---------|--------------|
| 1       | AC/L       | 4~6     | DC OUTPUT -V |
| 2       | AC/N       | 7~9     | DC OUTPUT +V |
| 3       | FG $\perp$ |         |              |

## Block Diagram



## Derating Curve



## Static Characteristics

