



16W Single Output LED Power Supply

PLD-16 series



■ Features :

- 115VAC or 230VAC models available
- Built-in active PFC function
- Constant current design
- Protections: Short circuit / Over temperature
- Cooling by free air convection
- Fully isolated plastic case
- Class 2 Power Unit
- Class II power unit, no FG
- IP42 design
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)
- 100% full load burn-in test
- Low cost
- High reliability
- 3 years warranty



(for B type only) (for A type only) (for B type only)



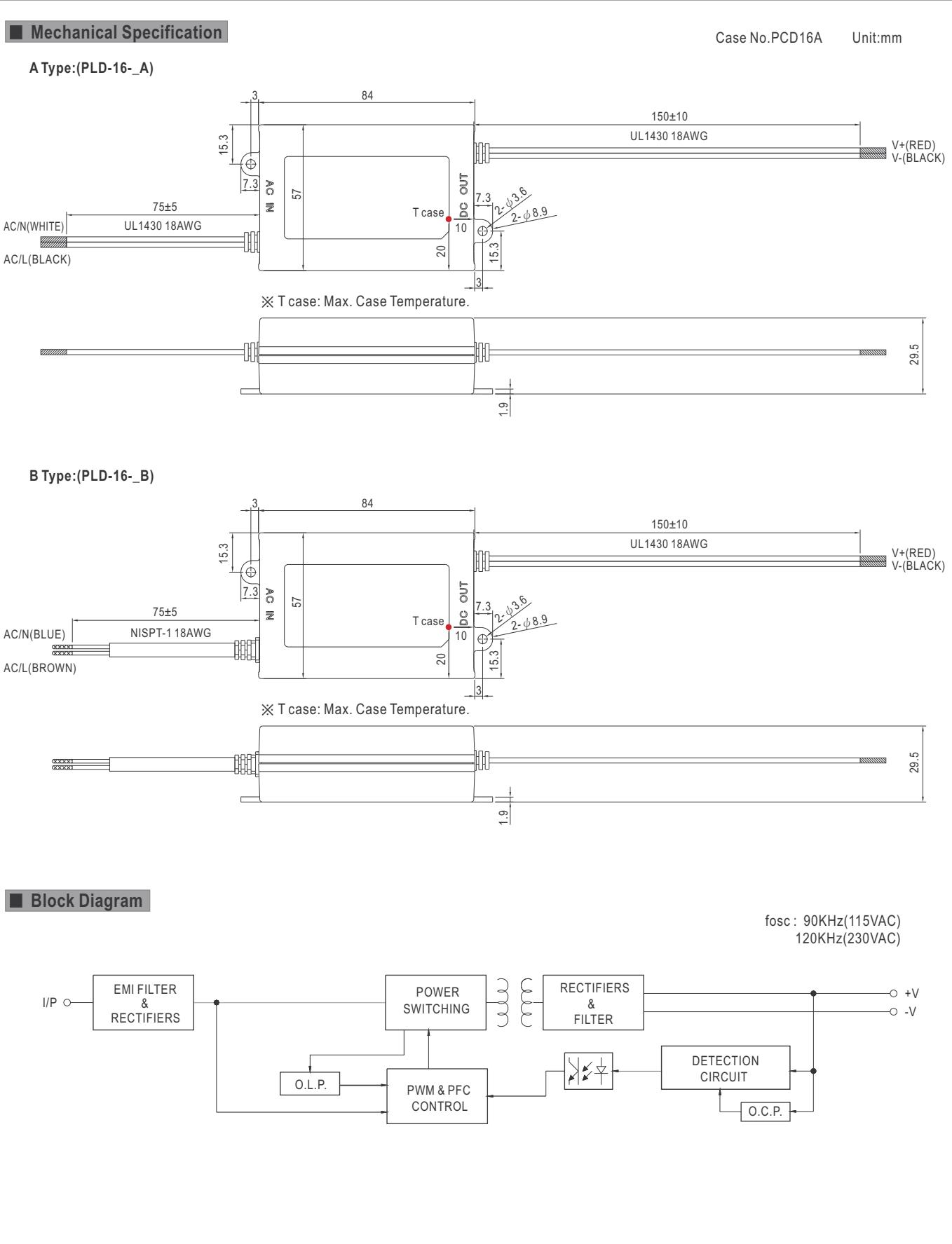
(for B type only) (for B type only) (for B type only)

PLD-16-350 A : With AC input 90~135VAC.
B : With AC input 180~295VAC.

SPECIFICATION

| MODEL | PLD-16-350 <input type="checkbox"/> | PLD-16-700 <input type="checkbox"/> | PLD-16-1050 <input type="checkbox"/> | PLD-16-1400 <input type="checkbox"/> |
|--------------|--|--|--------------------------------------|--------------------------------------|
| OUTPUT | RATED CURRENT | 350mA | 700mA | 1050mA |
| | OPERATING VOLTAGE RANGE | 24 ~ 48V | 16 ~ 24V | 12 ~ 16V |
| | CURRENT ACCURACY | ±5.0% | | |
| | RATED POWER | 16.8W | 16.8W | 16.8W |
| | RIPPLE & NOISE (max.) Note.1 | 4.6Vp-p | 2.7Vp-p | 2.2Vp-p |
| | NO LOAD OUTPUT VOLTAGE (max.) | 60V | 35V | 25V |
| | SETUP TIME | 500ms / 230VAC 2000ms / 115VAC at full load | | |
| INPUT | FREQUENCY RANGE | 47 ~ 63Hz | | |
| | POWER FACTOR (Typ.) | PF>0.9/115VAC, PF>0.9/230VAC, PF>0.9/277VAC at full load (Please refer to "Power Factor Characteristic" curve) | | |
| | TOTAL HARMONIC DISTORTION | A series THD< 20% when output loading≥70% at 115VAC B series THD< 20% when output loading≥70% at 230VAC input and output loading≥80% at 277VAC input | | |
| | EFFICIENCY (Typ.) | A series 84.5% B series 85.5% | 84.5% 86% | 84% 85% |
| | AC CURRENT (Typ.) | 0.4A/115VAC 0.2A/230VAC 0.15A/277VAC | | |
| | INRUSH CURRENT(Typ.) | COLD START 20A(twidth=25μs measured at 50% 1peak) at 230VAC | | |
| | MAX. No. of PSUs on 16A CIRCUIT BREAKER | A series 58 units (circuit breaker of type B) / 58 units (circuit breaker of type C) at 115VAC B series 128 units (circuit breaker of type B) / 128 units (circuit breaker of type C) at 230VAC | | |
| | LEAKAGE CURRENT | <0.5mA / 240VAC | | |
| | PROTECTION | SHORT CIRCUIT Hiccup mode, recovers automatically after fault condition is removed. OVER TEMPERATURE Shut down o/p voltage, re-power on to recover | | |
| ENVIRONMENT | WORKING TEMP. | -30 ~ +50°C (Refer to "Derating Curve") | | |
| | WORKING HUMIDITY | 20 ~ 95% RH non-condensing | | |
| | STORAGE TEMP., HUMIDITY | -40 ~ +80°C, 10 ~ 95% RH | | |
| | TEMP. COEFFICIENT | ±0.03%/°C (0 ~ 50°C) | | |
| SAFETY & EMC | VIBRATION | 10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes | | |
| | SAFETY STANDARDS | UL8750, CSA C22.2 No.250.0-08; ENEC BS EN/EN 613471-1, BS EN/EN 61347-2-13 independent, BS EN/EN62384(for B type only), EAC TP TC 004, IP42 approved | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3.75KVAC | | |
| | ISOLATION RESISTANCE | I/P-O/P:100M Ohms / 500VDC / 25°C/ 70% RH | | |
| | EMC EMISSION | Compliance to BS EN/EN55015 (B type only), BS EN/EN61000-3-2 Class C ; BS EN/EN61000-3-3, FCC part 18 non-consumer equipment(A type only), EAC TP TC 020 | | |
| OTHERS | EMC IMMUNITY | Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN61547, light industry level, criteria A, EAC TP TC 020 | | |
| | MTBF | 906.5Khrs min. MIL-HDBK-217F (25°C) | | |
| | DIMENSION | 84*57*29.5mm (L*W*H) | | |
| NOTE | PACKING | 0.19Kg; 72pcs/14.7Kg/0.92CUFT | | |
| | <ol style="list-style-type: none"> 1. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 2. Direct connecting to LEDs is suggested, but is not suitable for using additional drivers. 3. To fulfill requirements of the latest ErP regulation for lighting fixtures, this LED power supply can only be used behind a switch without permanently connected to the mains. 4. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft). 5. For any application note and IP water proof function installation caution, please refer our user manual before using. https://www.meanwell.com/Upload/PDF/LED_EN.pdf | | | |

※ Product Liability Disclaimer : For detailed information, please refer to <https://www.meanwell.com/serviceDisclaimer.aspx>





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