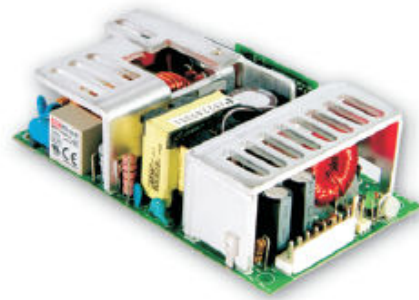


125 Watt, PPS-125 Series (Open Frame, Single Output Models)

ALL PSU LTD
Electronic Power Solutions

- Universal Input With PFC
- High Power Density, Low Profile
- Industry Standard Footprint 5" x 3"
- 100% Full Load Burn In
- Built In Remote Sense
- Short Circuit, Over Load, Over-Voltage Protection
- 3 Year Warranty



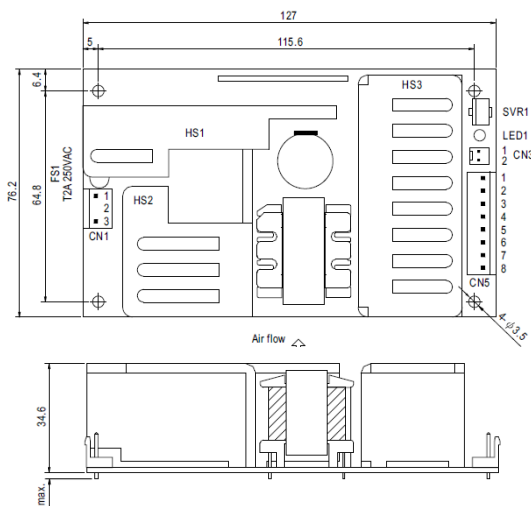
Specification

| | |
|---------------------------------|--|
| Universal Input..... | 90~264 VAC, 47~63 Hz (127~370 VDC) |
| Power Factor..... | 0.98 @ 115 VAC, 0.93 @ 230 VAC |
| Output Voltage..... | See table below (plus adjustment +/-5% min) |
| Output Power..... | 100 Watts convection, 125 Watts fan cooled (18 CFM) |
| Over Load Protection..... | 126~160%, foldback current limit |
| Over Voltage Protection..... | 115~135% of output voltage |
| Set Up, Rise, Hold Up Time..... | 1000 ms, 30 ms, 20 ms @ full load, 230 VAC |
| Isolation Voltage..... | I/P-O/P: 3 kVAC, I/P-FG: 1.5 kVAC, O/P-FG: 0.5 kVAC, 1 min. |
| Operating Temperature..... | -20~+60 °C (derate above 50 °C) |
| Storage Temperature..... | -40~+85 °C |
| Safety Standard..... | UL60950, TUV EN60950 |
| EMC Standard..... | EN55022 Class B, EN61000-3-2, 3 EN61000-4-2, 3, 4, 5, 6, 8, 11 ENV50204 |
| Weight..... | 0.37 kg each |
| MTBF..... | 111.7 kHrs (MIL-HDBK-217F) @ 25 °C |

Models and Ratings

| Model | Output | Ripple/Noise | Efficiency |
|--------------|-----------------|--------------|------------|
| PPS-125-3.3 | 3.3 V / 25 A | 100 mV | 70% |
| PPS-125-5 | 5.0 V / 25 A | 100 mV | 79% |
| PPS-125-12 | 12.0 V / 10.5 A | 100 mV | 80% |
| PPS-125-13.5 | 13.5 V / 9.3 A | 100 mV | 80% |
| PPS-125-15 | 15.0 V / 8.4 A | 100 mV | 80% |
| PPS-125-24 | 24.0 V / 5.2 A | 150 mV | 83% |
| PPS-125-27 | 27.0 V / 4.6 A | 150 mV | 83% |
| PPS-125-48 | 48.0 V / 2.6 A | 250 mV | 83% |

Mechanical Details



Pinout

AC Input Connector (CN1) : JST B3P-VH or equivalent

| Pin No. | Assignment | Mating Housing | Terminal |
|---------|------------|-----------------------|--------------------------------|
| 1 | AC/L | JST VHR or equivalent | JST SVH-21T-P1.1 or equivalent |
| 2 | No Pin | | |
| 3 | AC/N | | |

DC Output Connector (CN5) : JST B8P-VH or equivalent

| Pin No. | Assignment | Mating Housing | Terminal |
|---------|------------|-----------------------|--------------------------------|
| 1~4 | -V | JST VHR or equivalent | JST SVH-21T-P1.1 or equivalent |
| 5~8 | +V | | |

Remote Sense(CN3) : Molex 5045-02 or equivalent

| Pin No. | Assignment | Mating Housing | Terminal |
|---------|------------|--------------------------|--------------------------|
| 1 | RS+ | Molex 5051 or equivalent | Molex 4809 or equivalent |
| 2 | RS- | | |

Specifications can change without notice, E&OE. ALL PSU Terms & Conditions apply
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