

Industrial Power Supply



Features

- Universal AC input/full range
- 3 pole AC inlet IEC320-C14
- Built-in active power factor controller function
- Industrial (-30°C to +70°C) operating temperature
- No load power consumption ≤ 0.15 Watts
- Energy efficiency Level VI
- Compliant with EIASA 2007/DoE, NRCAN, AU/NZ MEPS, EU ErP and CoC Version 5
- Class 1 power (with earth pin)
- Short circuit/overload/over voltage/over temperature protection
- Fully enclosed 94V-0 flame retardant plastic case
- LED power on indicator

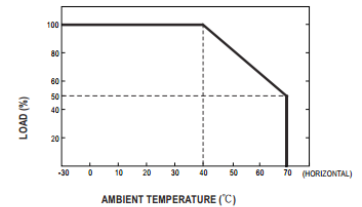
Specifications

Connector	4-pin DIN plug (see plug assignment)
Cable	UL1185 16AWG
Output Voltage	48V (Output voltage set at point measure by plug terminal +50% load)
Rated Current	1.87A
Current Range	0-1.87A
Rated Power	90W (max)
Ripple & Noise	240mVp-p (max) (Measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor)
Voltage Tolerance	$\pm 2.5\%$ (Includes set up tolerance, line regulation, load regulation)
Line Regulation	$\pm 1.0\%$ (Line regulation is measured from low line to high line at rated load)
Load Regulation	$\pm 2.5\%$
Setup, Rise Time	1000ms, 50ms/230VAC; 1000ms, 50ms/115VAC at full load (Length of setup time is measured at first cost start. Turning ON/OFF the power supply may lead to increase of the setup time)
Hold Up Time	20ms/230VAC typ; 20ms/115VAC at full load typical
Input Voltage	90-264VAC, 127-370VDC (Derating may be needed under low input voltages. Check the derating curve for more details.)
Input Frequency Range	47-63 Hz
Power Factor	PF>0.91/230VAC typical; PF>0.95/115VAC at full load typical
Efficiency	91% typical
AC Current	1.3A/115VAC typical; 0.6A/230VAC typical
Inrush Current	70A/230VAC (max)
Leakage Current	1mA/240VAC (max)
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°C/70%RH
Protection	Overload: 110-150% rated output power (Hiccup mode, recovers automatically after fault condition is removed) Overvoltage: 105-135% rated output voltage (Shut down o/p voltage, re-power on to recover) Over Temperature: Shut down o/p voltage, re-power on to recover
Dimensions	Width: 5.71" [145 mm] Depth: 2.36" [60 mm] Height: 1.26" [32 mm]
Environment	Operating: -30°C to +70°C (See derating curve) Storage: -40°C to +85°C Humidity: 20% to 90% (non-condensing)
Weight	0.99 lbs. [0.45 kg]
MTBF	348.7K hours min MIL-HDBK-217F (25°C)
Vibration	10-500Hz, 2G 10min/1 cycle period for 60 min each along X,Y,Z axes
Certifications	Safety: UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS 14336, CCC Gb4943, PSE J60950-1, AS/NZS 60950.1 approved Emmissions: EN55022 class B, EN61000-3-2,3, FCC Part 15/CISPR22 class B, CNS13438 class B, GB9254, GB17625.1 Immunity: EN61000-4-2,3,4,5,6,8,11 light industry level, criteria A

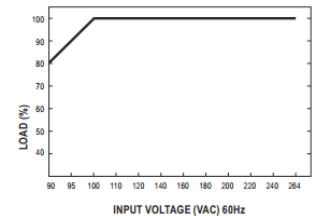
Ordering Information

25148
90 ~ 264 VAC; 127 ~ 370 VDC
(Country specific power cord included)

Derating Curve



Static Characteristics



Plug Assignment

DC plug: power DIN 4 pin with lock type

