

PEAD36B Power Supply Series (36W)

Features:

- Class I and Class II Versions
- Level VI Efficiency
- CoC Tier 2 **
- Optional LED on Indicator
- <100mW No Load Power Consumption
- Overload Protection
- Short Circuit Protection
- RoHS Compliant



Model	Voltage	Max. Current	Total Power	Load Regulation	Line Regulation	Ripple & Noise (P-P)	Efficiency Level
PEAD36B-10-B2	5V	4A	20W	±5%	±1%	100mV	VI/CoC Tier 2**
PEAD36B-11-B2	9V	3A	27W	±5%	±1%	250mV	VI/CoC Tier 2**
PEAD36B-12-B2	12V	3A	36W	±5%	±1%	250mV	VI/CoC Tier 2**
PEAD36B-13-B2	15V	2A	30W	±5%	±1%	250mV	VI/CoC Tier 2**
PEAD36B-13-1-B2	18V	1.66A	30W	±5%	±1%	350mV	VI/CoC Tier 2**
PEAD36B-13-1-B2	19V	1.58A	30W	±5%	±1%	350mV	VI/CoC Tier 2**
PEAD36B-14-B2	24V	1.5A	36W	±5%	±1%	480mV	VI/CoC Tier 2**
PEAD36B-17-B2	36V	0.83A	30W	±5%	±1%	480mV	VI/CoC Tier 2**
PEAD36B-18-B2	48V	0.625A	30W	±5%	±1%	480mV	VI/CoC Tier 2**

Notes:

*C14 standard input receptacle

For C6 input receptacle, model numbers are PEAD36BS. For example, PEAD36BS-12-B2

For C8 input receptacle, model numbers are PEAD36BSF. For example, PEAD36BSF-12-B2

For C18 input receptacle, model numbers are PEAD36BF. For example, PEAD36BF-12-B2

Specifications	
Input	
Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	1.0A – 0.5A, 115VAC-230VAC
Safety Isolation	3.0kVAC Input to Output
Inrush Current	<30A peak @ 115VAC, cold start at 25°C <60A peak @ 230VAC, cold start at 25°C
No Load Power Consumption	< 100mW
Output	
Total Output Power	See Models and Ratings Chart
Hold Up Time	≥8.3mS
Average Active Efficiency	Meets DOE level VI requirements. See models and ratings chart for details. CoC Tier 2**
Turn on Delay	≤3 seconds
Minimum Load	No Minimum Load
Protection Features	
Overvoltage Protection	150% Max. of nominal. Cycle AC power to reset after fault is removed
Overload Protection	110%-150% of maximum output current. Auto recovery
Short Circuit Protection	Hiccup mode. Auto recovery
Ingress	IP22 Compliant
Environmental	
Operating Temperature	0°C to 60°C (Derate output power linearly From 100% at 40°C to 50% at 60°C).
Storage Temperature	-20°C to +85°C
Humidity	10% - 90% non-condensing
Altitude	<5,000m
General Specifications	
Dimensions	3.94" x 1.77" x 1.22"
AC Input Receptacle	IEC60320 C14, C6, C8, C18
DC Output Plug	2.5x5.5mm barrel connector
Weight	0.44lbs
MTBF	100,000 hours per MIL-HDBK-217F at full load and 25°C ambient

Specifications Continued	
Safety	
Approved to USA/Canada	UL/cUL 60950-1 & 62368-1
Approved to Europe	TUV EN 60950-1 & 62368-1 CB Report to IEC 60950-1 & 62368-1
Approved to Australia	SGS AS/NZS 60950-1
Approved to China	CCC GB4943.1 & GB9254 & GB17625.1
Approved to Taiwan	BSMI CNS13438 & CNS14336-1 & CNS15663
Approved to Argentina	IEC 60950-1
EMC	
Emissions	FCC Class B Radiated & Conducted CISPR22 Class B Radiated & Conducted EN55022 Class B Radiated & Conducted EN55024: 2010
Harmonic Currents Voltage Flicker Electrostatic Discharge Radiated Immunity EFT/Burst Surge Immunity Conducted Immunity Magnetic Field Dips/Interruptions	IEC 61000-3-2: IEC 61000-3-3 IEC 61000-4-2: 8kV Air, 6kV contact IEC 61000-4-3: 3V/m IEC 61000-4-4: ±1kV IEC 61000-4-5: 2005 1kV diff, 2kV com IEC 61000-4-6: 3Vrms IEC 61000-4-8: 1A/m IEC 61000-4-11: 30% reduction for 500ms, >95% reduction for 10ms.

Diagrams

