



- Class II Configuration
- Efficiency Level VI
- Short Circuit Protection
- Overload Protection
- Overvoltage Protection
- No Load Operation



Electrical Specifications

Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	<0.8A @ 115VAC input with full load <0.4A @ 230VAC input with full load
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	< 100mW

Output

Total Output	15W-20W, see table
Output Voltage	See table
Hold Up Time	>8.3 msec @ full load and 115VAC/60Hz input
Turn On Time	<3 seconds
Efficiency	Meets DOE level VI requirements
Minimum Load	No minimum load
Line Regulation	<± 1% of rated output voltage at full load

Protection

Overvoltage	180% Max. of rated voltage. Latching mode. Cycle AC for recovery
Short Circuit	Hiccup mode. Auto recovery.
Overcurrent	180% Max. of rated current. Auto-restart when fault removed.

Environmental & Operating

Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +85°C
Operating Altitude	5000m
Operating Humidity	10% - 90% non-condensing
Storage Humidity	5% - 90% non-condensing
MTBF:	>100,000 hours per MIL-HDBK-217F at full load and 25°C ambient

Compliance

Safety Approvals

USA	UL60950
Canada	cUL60950
Europe	TUV EN60950
EMC:	CB Report FCC Part 15 Class B Radiated & Conducted CISPR22 Class B Radiated & Conducted EN55022 Class B Radiated & Conducted
Harmonic Currents	IEC 61000-3-2
Voltage Flicker	IEC 61000-3-3
Electrostatic Discharge	IEC 61000-4-2: 8kV Air, 4kV contact
Radiated Immunity	IEC 61000-4-3: 3V/m
EFT/Burst	IEC 61000-4-4: +/-1kV
Surge Immunity	IEC 61000-4-5: 2005 +/-1kV
Conducted Immunity	IEC 61000-4-6: 3Vrms
Magnetic Field	IEC 61000-4-8: 1A/m
Dips / Interruptions	IEC 61000-4-11: 30% reduction for 500ms, >95% reduction for 10ms

General

Dimensions	2.62"(66.5mm)L x 1.02"(26mm)W x 1.79"(45.5mm)H
AC Input	Fixed North American Plug
Output Plug	Barrel Type: 5.5mm x 2.1mm x 9.5mm Center positive (others upon request)
Weight	0.27 pounds



Models and Ratings Chart

Model No.	Output voltage	Output Current	Total Power	Output Regulation	Ripple & Noise (Vp-p)	Efficiency Level
PEAW20NA-10-B1	5VDC	3.0A	15W	± 5%	100mV	VI
PEAW20NA-10-1-B1	6VDC	2.5A	15W	± 5%	100mV	VI
PEAW20NA-11-B1	9VDC	2.22A	20W	± 5%	180mV	VI
PEAW20NA-12-B1	12VDC	1.67A	20W	± 5%	180mV	VI
PEAW20NA-13-B1	15VDC	1.33A	20W	± 5%	200mV	VI
PEAW20NA-13-1-B1	18VDC	1.11A	20W	± 5%	200mV	VI
PEAW20NA-13-2-B1	19VDC	1.05A	20W	± 5%	200mV	VI
PEAW20NA-14-B1	24VDC	0.83A	20W	± 5%	250mV	VI
PEAW20NA-17-B1	36VDC	0.55A	20W	± 5%	360mV	VI
PEAW20NA-18-B1	48VDC	0.42A	20W	± 5%	360mV	VI

Notes:

- Ripple & Noise is measured using a 20MHz bandwidth oscilloscope with a 0.1uf ceramic capacitor and 4.7uf electrolytic capacitor in parallel across the output at full load and nominal line voltage.

Mechanical Outline

