

## Universal 32 Watt (IEEE802.3af Non-Compliant)

PoE plus Gigabit

- 10/100/1000 (Mbps) Data Rates
- Self-contained Injector
- 100-250VAC Universal Input
- Desktop Style / Non-vented Case
- IEEE802.3af Non-Compliant
- Power ON LED
- UNH IOL Test Report
- Over Load Shutdown and Short Circuit Protection
- Regulated Output With Low Ripple
- Complies with EMI/RFI Regulations
- CE Compliant



International Safety Standard Approvals



### Specifications

#### Output Specifications

Combined Line and Load Voltage Regulation	Excluding Cord	±1%
Ripple		1% Vp-p max.
Transient Response		0.5ms for 50% Load Change Typical
Protection		Foldback Overcurrent Protection, Short Circuit Protection

#### Input Specifications

AC Input Voltage Range		100-250VAC -10%, +6%
Line Frequency		47-63Hz
AC Input Current		1A max.
Protection		Internal Primary Current Fuse, Inrush Limiting

#### Environmental Specifications

Thermal Performance	Operating Temperature No Derating, Convectional Cooling Non Vented Case	0° C to 40° C
Relative Humidity	Non-Condensing	5% to 95%
Altitude		0-10,000 feet

#### General Specifications

Topology		Switching-Fixed Frequency Flyback
Dielectric Withstand	Primary-Secondary Secondary-Ground	3000VAC, 4250VDC 500VDC
Spacing		5mm Primary-Secondary
Leakage Current		Less than 250 uA
Efficiency		75.1% min.
EMC Information		
Emissions	FCC Part 15. EN55022.	Class B Class B
Harmonic	EN61000-3-2	
vFF	EN61000-3-3	
ESD	EN61000-4-2.	Level 2
RF EFI	EN61000-4-3.	Level 2
EFT	EN61000-4-4.	Level 2
Surge	EN61000-4-5.	Level 3
CDI	EN61000-4-6.	Level 2
CD	EN61000-4-8.	Level 1
Voltage Dips	EN61000-4-11	
CE	LVD, EMC, RoHS, WEEE, CE Compliant	
Hold-up Time	@ 120VAC	18ms min. typ.
Storage Temp		-30° C to +85° C
Approvals and Standards	Safety	cULus : UL/CSA60950 TUV : EN60950 CE: LVD, EMC

Ault Part Number	Output Voltage	Output Currents		Max Watts	Ripple Vp-p max.
		Min	Max		
PW183RA4800_01	48 V	0.00 A	0.67 A	32 W	480 mV

Ault Part Number Key						
PW183	R	A	48	00	_	01
Product Family Name	Manufacturing Location (volume dependent)	Design Revision Changes	Voltage DC Model Type	Connector	Input Configuration/ Model Type	Standard (no modifications or special packaging)

**Input Configuration**

IEC320Shaver Shaver  
w/ground CB  
C14 (N) (N)  
(F)

Specify the Input Configuration Code in your order.

**General Specifications (continued from p. 1)**

MTBF	100,000 Calculated Hours
Weight (excluding cord)	7 Ounces, 200 Grams
Case and Dimension	5.24L x 2.13W x 1.42H (in) 133.0L x 54.0W x 36.0H (mm)
Case Material	Black 94V0 Polycarbonate
Cord and Connectors	Dual RJ45 jacks built into the enclosure

- Personalized PoE**
- Options (additional costs may apply):
- Custom label artwork
  - Custom agency approvals available
  - Surge protection (Input & Output)
  - Mounting bracket
  - Custom PoE modifications

**Pin Connections**

J2 (Power and Data Out)      J1 (Data In)  
(Rear of Unit)

**PoE Gigabit Pin-out Connections:**

Data	← POWER (+) →	Pins 4/5 (Data + PWR)
Data	← →	Pins 1/2 (Data Only)
Data	← →	Pins 3/6 (Data Only)
Data	← POWER (-) →	Pins 7/8 (Data + PWR)
Note:	← → = Transformer	