

## Universal 19 Watt (IEEE802.3af Non-Compliant)

Power over Ethernet (PoE) / SMPS

- 10/100 (MbPS) Data Rates
- 100-240VAC Universal Input
- Desktop Style / Non-vented Case
- Power On LED
- Reverse Polarity E-Switch
- Over Load Shutdown and Short Circuit Protection
- Regulated Output With Low Ripple
- Complies with EMI/RFI Regulations
- CE Compliant
- Surge protection on Data & Power pairs
  - ◆ Reverse standoff voltage: 51V
  - ◆ Breakdown Voltage: 56.7V min; 62.7V max.
  - ◆ Clamping Voltage: 82.4V
  - ◆ Peak Pulse Current: 18.2A



### 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		100-240VAC -10%, +10%
Line Frequency		47-63Hz
AC Input Current	90VAC Input	0.6A max.
Protection		Internal Primary Current Fuse, Inrush Limiting

### Environment 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 µA
Efficiency		65% Typical @ Max Load and 120VAC/60 Hz
EMC Information Emissions	FCC Part 15 En55022	Class B Class B
Harmonic VFF	EN61000-3-2 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	EN61000-4-11	
CE	LVD, EMC, RoHS, WEEE, CE Compliant	
Hold-up Time	@120VAC @240VAC	10ms min. 30ms min.
Storage Temp		-30°C to +85°C

Ault Part Number	Output Voltage	Output Currents		Max Watts	Ripple Vp-p max.
		Min	Max		
PW182RE4800F02	48 V	0.00 A	0.40 A	19 W	480 mV

Ault Part Number Key						
PW182	R	E	48	00	F	02
Product Family Name	Manufacturing Location (volume dependent)	Design Revision Changes	Voltage DC Model Type	Connector	Input Configuration/ Model Type	Custom

### Input Configuration



Note: Call for optional configuration, extra charges may apply.

IEC320 w/ground C14 (F)

Specify the Input Configuration Code in your order.

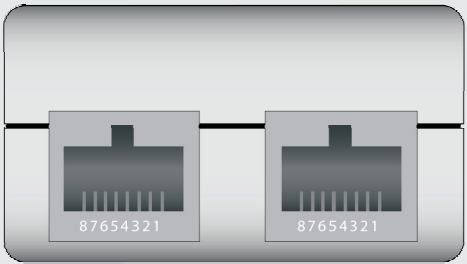
### General Specification (continued from p. 1)

Approval and Safety Standards	cULus : UL/CSA60950 TUV : EN60950 CE : LVD, EMCDC
MTBF	100,000 Calculated Hours
Weight	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	Impact Resistant Polycarbonate Enclosure
Cord and Connectors	Dual RJ45 jacks built into the enclosure

### Personalized PoE

- Reverse Polarity E-Switch
- Custom label artwork
- Custom agency approvals available
- Surge protection on Data & Power Pairs
- Reverse Polarity Switching time: 90VAC @ full load < 100uS
- Custom PoE modifications

### Pin Connections



J1		J2
1. Data Pair 1	↔	1. Data Pair 1
2. Data Pair 1	↔	2. Data Pair 1
3. Data Pair 2	↔	3. Data Pair 2
4. + VDC		4. No Connection
5. + VDC		5. No Connection
6. Data Pair 2	↔	6. Data Pair 2
7. - VDC		7. No Connection
8. - VDC		8. No Connection