

PW180KB

Power over Ethernet IEEE802.3af Compliant



Power over Ethernet (PoE) / SMPS

3 Year Warranty

- PoE Injector and Power Supply in One Unit
- Universal Input 100 to 250 VAC
- Desktop Style Single Output
- Ideal for Midspan Applications
- Regulated Output with Low Ripple
- Meets Safety Agency Requirements
- Complies with EMI/RFI Regulations
- CE Compliant
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- Modified and Custom Designs Also Available



International Safety Standard Approvals



Specifications

Output Specifications

| | | |
|--------------------|-----------------------------------|----------|
| Voltage | +48VDC Typical, 44V to 57V | |
| Load Regulation | +/-4%, 44V to 57V | |
| Ripple and Noise | f < 500kHz | 500mVp-p |
| | 500Hz-150kHz | 200mVp-p |
| | 150kHz-500kHz | 150mVp-p |
| | 500kHz-1MHz | 100mVp-p |
| Transient Response | 0.5ms for 50% Load change Typical | |
| Pin Assignment | (see page 2) | |

Input Specifications

| | | |
|----------------|------------------------------------------------|-----------|
| Voltage | 100-250VAC -10%, +6% | |
| Line Frequency | 47-63Hz | |
| Input Current | 90VAC Input | 0.5A max. |
| Protection | Internal Primary Current Fuse, Inrush Limiting | |

LED Indicator

| | | |
|--------------------------------|---------|-----------------------------------------|
| Power Mode LED (Two colors) | Amber - | Power ON / Detection Mode |
| | Green - | Injecting Full Power / Power Up Mode |

General Specifications

| | |
|--------------------------------|----------------------------------------------------------------------------|
| Topology | Switching-Fixed Frequency Flyback |
| Dielectric Withstand | 3,000VAC or 4,250VDC Primary-Secondary |
| Output Current | 350mAdc min. |
| Inrush Current | 450mAdc max. |
| Overload Current Detection | (15.4W/Vport)min. / 400mA max. |
| Overload Time Limit | 50-75ms |
| Short Circuit Protection | 400-450mA max. |
| Continuous Output Power | 15.4W min. Average over 1 second. |
| Approvals and Safety Standards | UL60950-1, IEC/EN60950-1 EMC : EN55022 / 55024 / 61000 |
| Weight | 5.95 ounces, 170 Grams |
| Leakage Current | Less than 0.75mA at 265VAC 50Hz |
| Spacing | 6.4mm Primary-Secondary |
| Case and Dimension | Desktop Style 3.98L x 2.40W x 1.35H (in) 101.0L x 61.5W x 34.2H (mm) |
| Case Material | Black 94V0 Polycarbonate |
| Cord and Connectors | Dual RJ45 Jacks built into the enclosure. |

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For the most current data and application support visit www.slpower.com

| Ault Part Number | Output Voltage | Output Currents | | Max Watts | Ripple Vp-p max. |
|------------------|----------------|-----------------|--------|-----------|------------------|
| | | Min | Max | | |
| PW180KB4800_01 | 48 V | 0.00 A | 0.35 A | 15.4 W | 480 mV |

Ault Part Number Key

| | | | | | | |
|---------------------|------------------------|-------------------------|------------|------------------|---------------------------------|--------------------------------------------------|
| PW180 | K | B | 48 | 00 | - | 01 |
| Product Family Name | Manufacturing Location | Design Revision Changes | Voltage DC | Connector Number | Input Configuration/ Model Type | Standard (no modifications or special packaging) |

Input Configuration



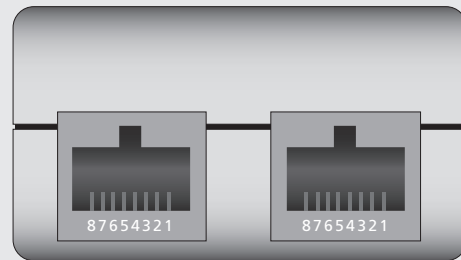
IEC320
w/ground
C14
(F)



Shaver
C8
(N)

Specify the Input Configuration Code in your order.

Pin Connections



J1

J2

J1 Pins

1. Data Pair 1
2. Data Pair 1
3. Data Pair 2
4. + VDC
5. + VDC
6. Data Pair 2
7. - VDC
8. - VDC

J2 Pins

1. Data Pair 1
2. Data Pair 1
3. Data Pair 2
4. No Connection
5. No Connection
6. Data Pair 2
7. No Connection
8. No Connection

