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 500Hz-150kHz 150kHz-500kHz 500kHz-1MHz	500mVp-p 200mVp-p 150mVp-p 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 - Green -	Power ON / Detection Mode 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.

SL Power Electronics Corp • 6050 King Drive • Ventura CA, 93003 • Phone:805.486.4565 • Fax:805.487.8911 • Email:info@slpower.com • www.slpower.com

PW180KB

Power over Ethernet IEEE802.3af Compliant

Power over Ethernet (PoE) / SMPS

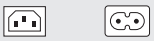
For the most current data and application support visit www.slpower.com

Ault Part Number	Output Voltage	Output Currents Min	Output Currents Max	Max Watts	Ripple Vp-p 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

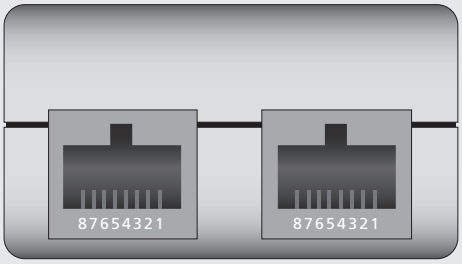


IEC320 w/ground C14 (F)

Shaver C8 (N)

Specify the Input Configuration Code in your order.

Pin Connections



J1 J2

J1 Pins		J2 Pins
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

SL POWER ELECTRONICS

SL Power Electronics Corp • 6050 King Drive • Ventura CA, 93003 • Phone:805.486.4565 • Fax:805.487.8911 • Email:info@slpower.com • www.slpower.com

Data Sheet © 2006 SL Power Electronics Corp. The information and specifications contained in this data sheet are believed to be correct at time of publication.
However, SL Power accepts no responsibility for consequences arising from reproduction errors or inaccuracies. Specifications are subject to change without notice.

Rev.9/28/06