PW183RB

Universal 30 Watt (IEEE802.3af Compliant)

SL POWER ELECTRONICS

PoE Plus Gigabit

- *10/100/1000 (MbPS) Data Rates*
- *Self-contained Injector*
- *100-250VAC Universal Input*
- *Desktop Style / Non-vented Case*
- *IEEE802.3af Compliant Detection, Disconnect, Overload and Over Voltage Control Function*
- *Load Diagnostic 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

EN 60950-1 c UL us CE

AULT

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	1.0A 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, EMCD
MTBF		100,000 Calculated Hours

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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.
PW183RB4800_01	48 V	0.00 A	0.625 A	30 W	480 mV

Ault Part Number Key

PW183	R	B	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

IEC320 w/ground C14 (F)

Shaver C8 (N)

Specify the Input Configuration Code in your order.

General Specifications (continued from p. 1)

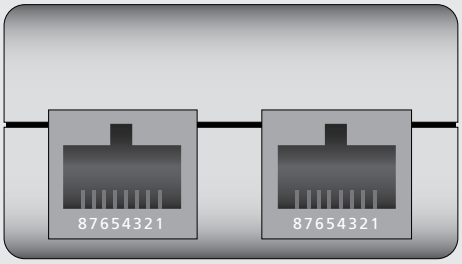
Weight	(excluding cord)	7 Ounces, 200 Grams
Case and Dimension		5.24L x 2.13W x 1.42H (in) 133.0L x 54.0W x 36.0H (mm)
Case Material		Black 94V0 Polycarbonate
Cord and Connectors		Dual RJ45 jacks built into the enclosure

Personalized PoE

Options (additional costs may apply):

- Custom label artwork
- Custom agency approvals available
- Surge protection (Input & Output)
- Mounting bracket
- Custom PoE modifications

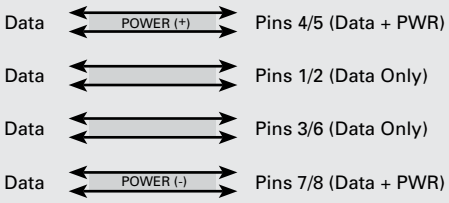
Pin Connections



J2 (Power and Data Out) J1 (Data In)

(Rear of Unit)

PoE Gigabit Pin-out Connections:



Note: = Transformer

LED Functions:

Amber	Power On
Green	Power Active
Blink	Load Error

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Rev.12/21/07