



- High Efficiency (Up to 86%)
- Active Power Factor Correction
- Constant Voltage Output
- Up to 305VAC Operation
- Waterproof to IP66
- Comprehensive Protection Circuitry
- UL8750 & EN61347 Safety Approvals
- Class 2 Output
- 3 Year Warranty

Electrical Specifications

Input

Input Voltage	90-305VAC
Input Frequency	47-63 Hz
Input Current	0.40A @ 100VAC 0.20A @ 220VAC
Inrush Current	40A @ 220VAC/25°C/Cold Start
Power Factor	See table
Leakage Current	750µA @ 277VAC, 60Hz
No Load Power Dissipation	5W

General

Efficiency	See tables
Isolation	3kVAC input to output 1.5kVAC input to ground 0.5kVAC output to ground
MTBF (MIL-HDBK-217F)	200,000 Hours @120VAC, 80% load, 25°C
Dimensions	3.07"L x 3.15"W x 1.06"H
Net Weight	0.7 lbs.

Output

Output Voltage	See table
Start Up Delay	1 second maximum at 120VAC
Line Regulation	±2%
Load Regulation	±3%
Ripple & Noise	12% pk-pk max., 20MHz bandwidth
Overvoltage Protection	110-130%; auto restart when fault removed
Overload Protection	110-170%; auto restart when fault removed
Short Circuit Protection	Hiccup mode; auto restart when fault removed
Temperature Coefficient	<0.2%/°C

Note: All specifications typical at 25°C unless noted.

Environmental

Operating Temp.	-40°C to +70°C maximum, see derating curve
Operating Humidity	10% to 100% RH, non-condensing
Storage Temperature	-40°C to +85°C

Safety & EMC

Safety Approvals

USA	UL8750, UL1310 Class 2 Approved UL1012
Canada	Approved to CAN/CSA-C22.2 No. 223-M91 Class 2
Europe	EN61347, EN61347-2-13
EMI	EN55015 (Radiated & Conducted) FCC CFR47 Part 15 Class B
Harmonic Currents	EN61000-3-2
Voltage Flicker	EN61000-3-3
ESD Immunity	EN61000-4-2; 8kV air; 4kV contact
Radiated Immunity	EN61000-4-3
EFT/Burst	EN61000-4-4
Surge	EN61000-4-5
Conducted Immunity	EN61000-4-6
Dips / Interruptions	EN61000-4-11
Lighting Immunity	EN61547

Your Partners in Power..... Power Partners, Inc. | 43 Broad Street | Hudson, MA 01749

Tel: (978)567-9600 | Fax: (978)567-9601

Website: www.powerpartners-inc.com

Specifications subject to change.
PIL26U-V; Dec. 27, 2013



Distributed by:

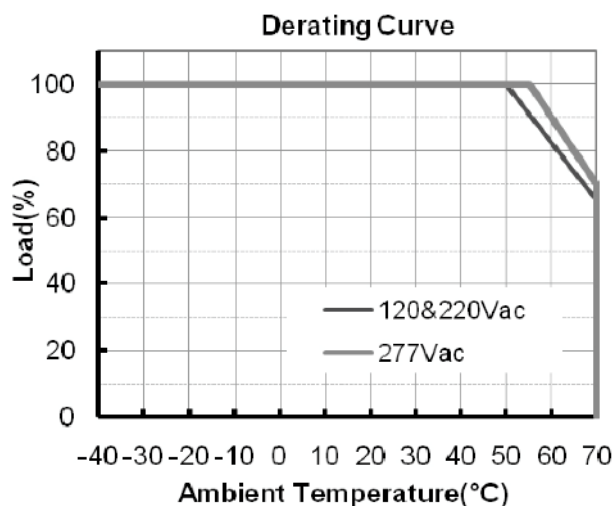
Power Sources Unlimited, Inc. Wrentham, MA • Tel: 508-384-1419 • sales@psui.com • www.psui.com

Models and Ratings Chart

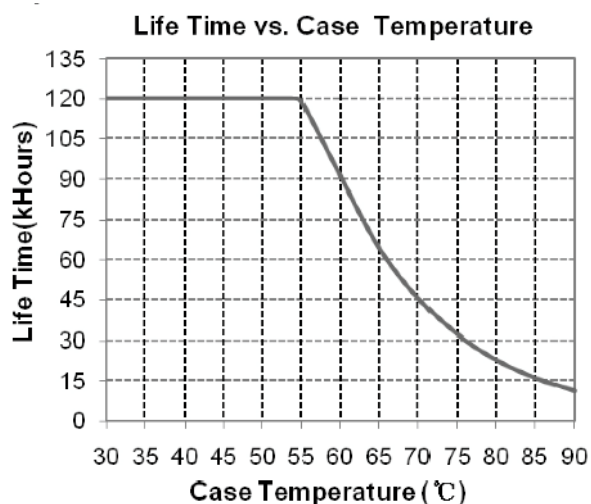
Output Voltage	Input Voltage Range	No Load Output Voltage	Output Current Range	Max. Output Power	Typical Efficiency (Note 1)	Power Factor		Model Number (Note 2)
						120VAC	220VAC	
24 Vdc	90 ~ 305 Vac	28V	0~1080 mA	26W	84.0%	0.96	0.95	PIL26U-V24-PS(3)
36 Vdc	90 ~ 305 Vac	40V	0~720 mA	26W	85.0%	0.96	0.95	PIL26U-V36-PS(3)
48 Vdc	90 ~ 305 Vac	52V	0~540 mA	26W	86.0%	0.96	0.95	PIL26U-V48-PS(4)

- (1) Measured at full load and 220 VAC input.
- (2) A suffix -xxxx may be added to denote variations or modifications to the base product, where x can be any alphanumeric character or blank.
- (3) Class 2 output (USR & CNR).
- (4) Class 2 output (USR), Non-Class 2 output (CNR).

Derating Curve



Life Time vs. Case Temperature Curve



Your Partners in Power.....

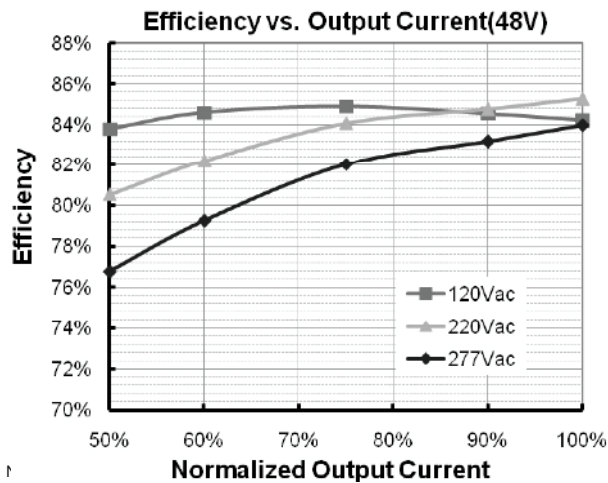
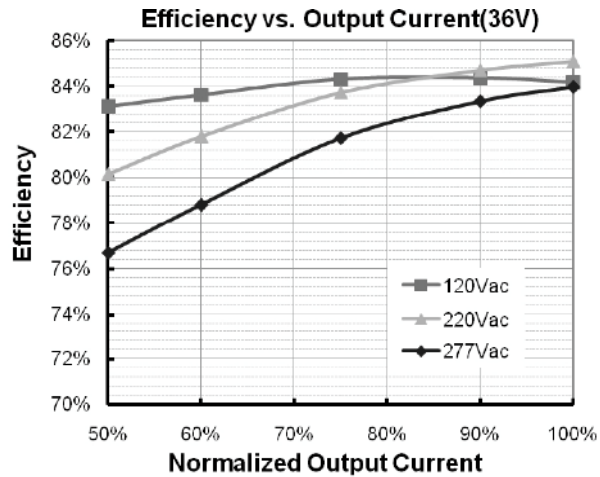
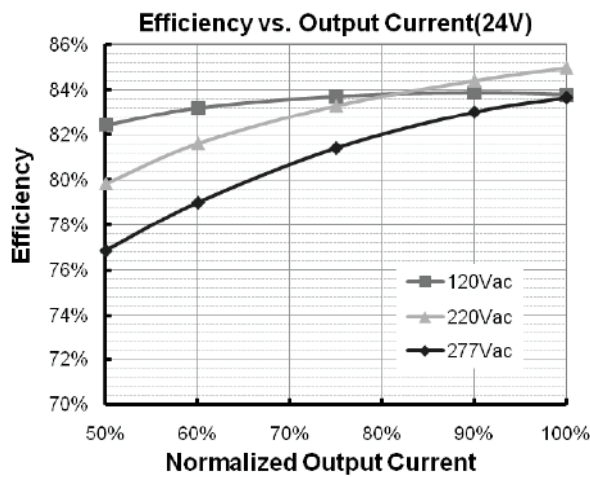
Power Partners, Inc. | 43 Broad Street | Hudson, MA 01749
Tel: (978)567-9600 | Fax: (978)567-9601
Website: www.powerpartners-inc.com

Specifications subject to change.
 PIL26U-V: Dec. 27, 2013



Distributed by:
Power Sources Unlimited, Inc. Wrentham, MA • Tel: 508-384-1419 • sales@psui.com • www.psui.com

Efficiency vs. Load



Your Partners in Power.....

Power Partners, Inc. | 43 Broad Street | Hudson, MA 01749
 Tel: (978)567-9600 | Fax: (978)567-9601
 Website: www.powerpartners-inc.com

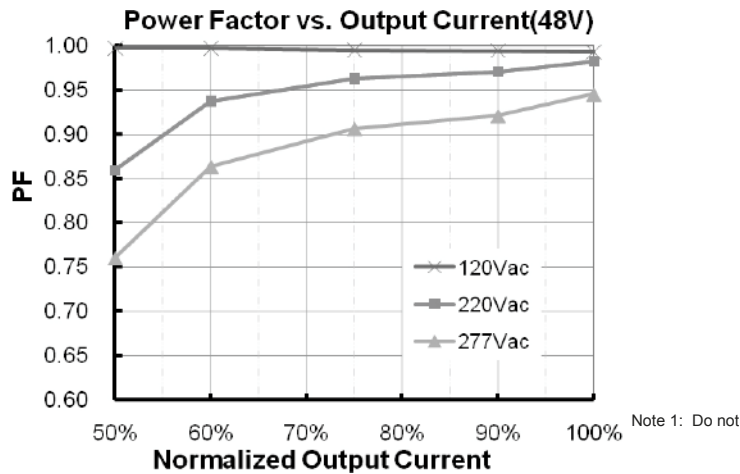
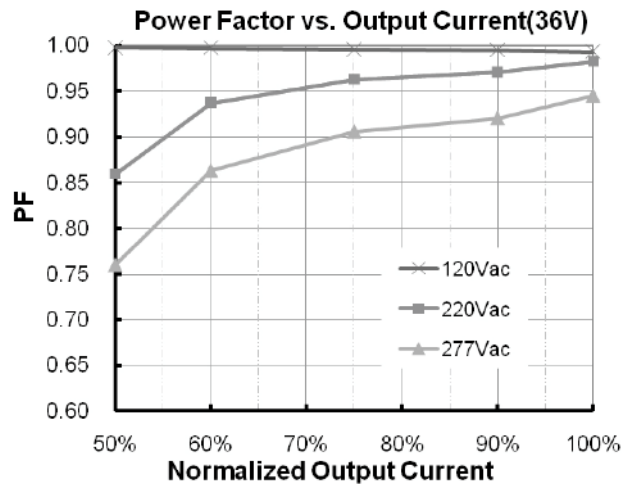
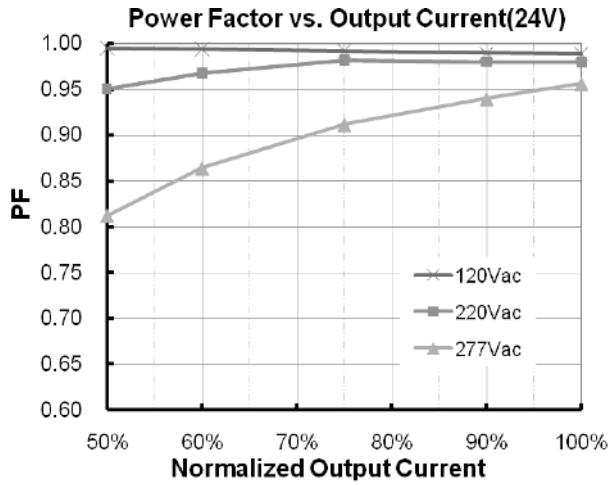
Specifications subject to change.
 PIL26U-V: Dec. 27, 2013



Distributed by:

Power Sources Unlimited, Inc. Wrentham, MA • Tel: 508-384-1419 • sales@psui.com • www.psui.com

Power Factor Characteristics



Your Partners in Power.....

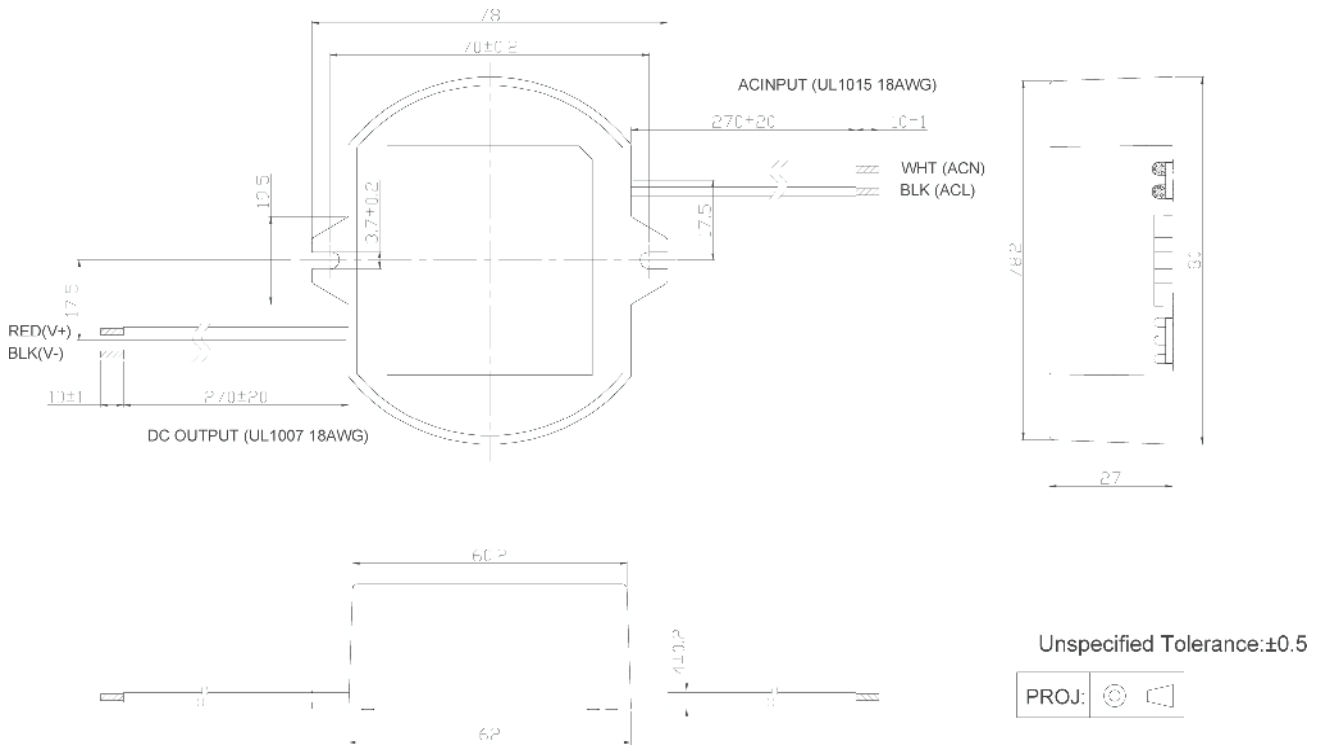
Power Partners, Inc. | 43 Broad Street | Hudson, MA 01749
 Tel: (978)567-9600 | Fax: (978)567-9601
 Website: www.powerpartners-inc.com

Specifications subject to change.
 PIL26U-V: Dec. 27, 2013



Distributed by:
 Power Sources Unlimited, Inc. Wrentham, MA • Tel: 508-384-1419 • sales@psui.com • www.psui.com

Mechanical Outline



RoHS Compliance

Our products comply with the European Directive 2002/95/EC, calling for the elimination of lead and other hazardous substances from electronic products.

Your Partners in Power.....

Power Partners, Inc. | 43 Broad Street | Hudson, MA 01749
Tel: (978)567-9600 | Fax: (978)567-9601
Website: www.powerpartners-inc.com

Specifications subject to change.
PIL26U-V: Dec. 27, 2013



Distributed by:
Power Sources Unlimited, Inc. Wrentham, MA • Tel: 508-384-1419 • sales@psui.com • www.psui.com