



- Ultra High Efficiency (Up to 86%)
- Active Power Factor Correction
- Constant Output Voltage
- Wide 90-264VAC Input
- Waterproof to IP67
- Comprehensive Protection Circuitry
- Approved to UL8750 & EN61347
- RoHS Compliant
- 3 Year Warranty

### Electrical Specifications

#### Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	0.43A @ 110VAC 0.25A @ 220VAC
Inrush Current	65A @ 230VAC/25°C/Cold Start
Power Factor	See table
No Power Dissipation	≤1W

#### General

Efficiency	See tables
Isolation	3kVAC input to output 1.5kVAC input to ground 0.5kVAC output to ground 943kHrs @110VAC, 24VDC model, 80% load, 25°C
MTBF (MIL-HDBK-217F)	6.38"L x 1.67"W x 1.36"H 1.01 lbs.
Dimensions	
Net Weight	

#### Output

Output Voltage	See table
Initial Set Accuracy	±10%
Minimum Load	No minimum load required
Start Up Delay	0.8 seconds max @110VAC
Line Regulation	±3%
Load Regulation	±10%
Ripple & Noise	2% pk-pk, 20MHz bandwidth
Overtoltage Protection	Latch mode; power on to return to normal operation
Overcurrent Protection	Hiccup mode; auto-recover when fault removed
Short Circuit Protection	No damage to unit; auto recovery when fault removed
Temperature Coefficient	<0.03%/°C

#### Environmental

Operating Temp.	-35°C to +60°C, no derating
Operating Humidity	10% to 100% RH, non-condensing
Storage Temperature	-40°C to +85°C

#### Safety & EMC

Safety Approvals	UL8750 Approved
USA	Compliance to UL1310 Class 2, UL1012, UL935
Canada	Compliance to CAN/CSA-C22.2 No. 0 CSA-C22.2 No. 107.1, CSA-C22.2 No. 250.0
Europe	EN61347-1, EN61347-13
EMI	EN55015 (Radiated & Conducted)
Harmonic Currents	EN61000-3-2 Class C
Voltage Flicker	EN61000-3-3
ESD Immunity	EN61000-4-2; 8kV air; 4kV contact
Radiated Immunity	EN61000-4-3 Level 2
EFT/Burst	EN61000-4-4 Level 2
Surge	EN61000-4-5; 2kV line-line; 4kV line-earth
Conducted Immunity	EN61000-4-6
Magnetic Field	EN61000-4-8
Dips / Interruptions	EN61000-4-11

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

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Specifications subject to change.  
PIL30W-V: 02/09/2010



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### Models and Ratings Chart

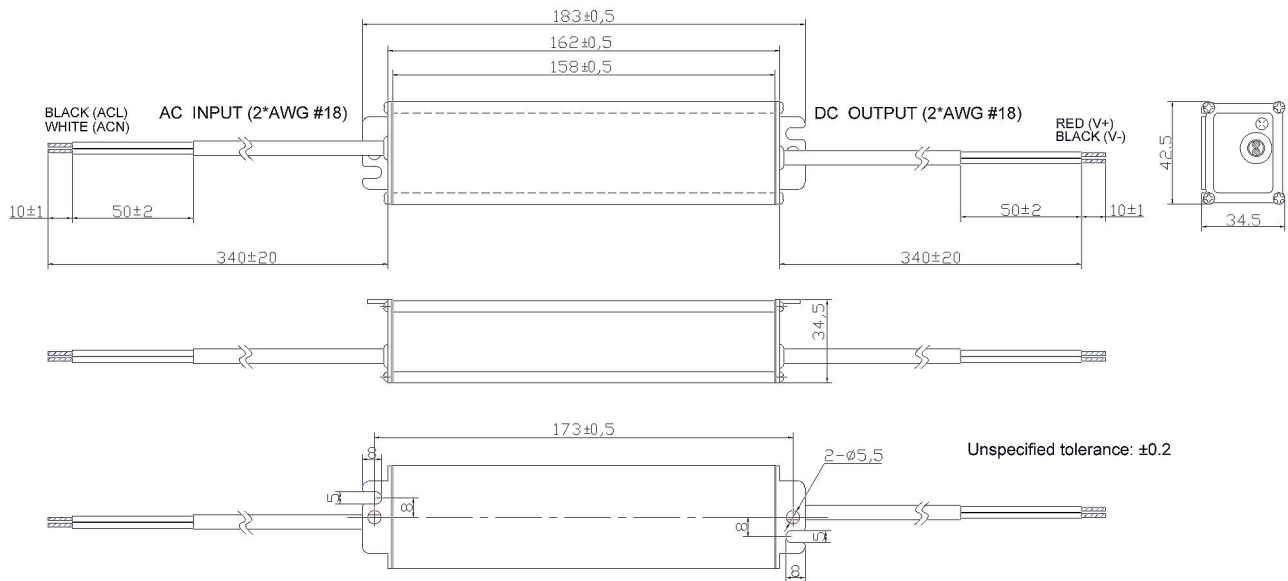
Output Voltage Range (Note 3)	Max. Output Current	Max. Output Power	Typical Efficiency (Note 1)	Power Factor		Model Number (Note 2)
				110VAC	220VAC	
11.4 - 12.6VDC	2.50A	35W	83%	0.85	0.83	<b>PIL30W-V12</b>
22.8 - 25.2VDC	1.25A	35W	85%	0.86	0.84	<b>PIL30W-V24</b>

Note 1: Measured at 220VAC input and full load.

Note 2: Additional suffix may be included to denote variations or modifications to the base product.

Note 3: Voltage factory set to nominal, unless otherwise specified.

### Mechanical Outline Drawing



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