



- Ultra High Efficiency (Up to 92%)
- Active Power Factor Correction
- Constant Output Current
- Up to 305VAC Operation
- Waterproof to IP67
- Lightning Protection
- Comprehensive Protection Circuitry
- UL8750 Approval & EN61347 Compliance
- RoHS Compliant
- 3 Year Warranty

Electrical Specifications

<p>Input</p> <p>Input Voltage 90-305VAC Input Frequency 47-63 Hz Input Current 1.8A @ 100VAC 0.9A @ 220VAC Inrush Current 35A @ 230VAC/25°C/Cold Start Power Factor See table Leakage Current 300µA @ 120VAC 500µA @ 240VAC No Load Input Power ≤1.5W</p>	<p>General</p> <p>Efficiency See tables Isolation 3kVAC input to output 1.5kVAC input to ground 0.5kVAC output to ground 100KHz Switching Frequency 311kHz MTBF (MIL-HDBK-217F) 311kHrs @110VAC input Dimensions 5950mA model, 80%, 25°C Net Weight 9.37"L x 3.13"W x 1.81"H 3.31 lbs.</p>
<p>Output</p> <p>Output Voltage See table Initial Set Accuracy ± 5% Minimum Load No minimum load required Start Up Delay 2 seconds maximum Hold Up Time ≥ 20ms @ 120VAC, full load Line Regulation ±1% Load Regulation ±3% Transient Response ± 6% max. deviation, recovery to within spec in 15ms for a 50% step load change at a 1A/µs slew rate Ripple & Noise 3% pk-pk, 20MHz bandwidth Overvoltage Protection Latch mode; power on to return to normal operation Short Circuit Protection No damage to unit; auto recovery when fault removed Overtemperature Protection 110°C maximum internal component temperature Temperature Coefficient < 0.03% /°C</p> <p>Note: All specifications typical at 25°C unless noted.</p>	<p>Environmental</p> <p>Operating Temp. -35°C to +70°C maximum Operating Humidity 10% to 100% RH, non-condensing Storage Temperature -40°C to +85°C Operating Altitude 10K feet Shock 30G</p> <p>Safety & EMC</p> <p>Safety Approvals USA UL8750 Approved Compliance to 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, EN61347-2-13 Approved 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 Dips / Interruptions EN61000-4-11</p>

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Specifications subject to change.
 PIL150U-C: 01/20/2010



Models and Ratings Chart

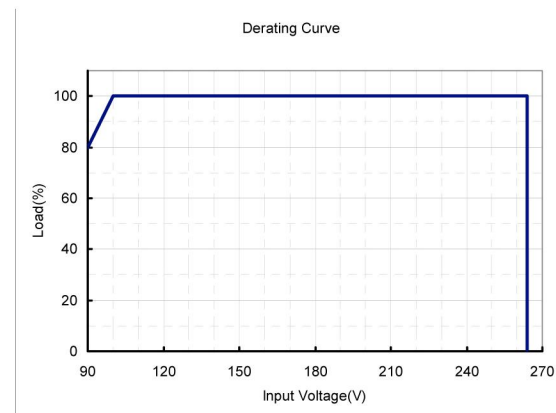
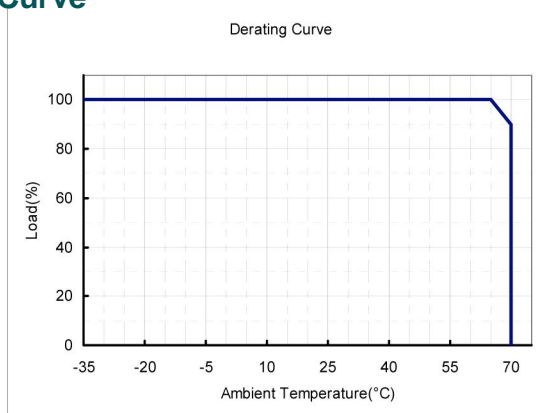
Nominal Output Current	Output Current Range (Note 3)	Max. Output Voltage	Max. Output Power	Typical Efficiency (Note 1)	Power Factor		Model Number (Note 2)
					110VAC	220VAC	
350mA	332mA - 360mA	428VDC	150W	92.0%	0.99	0.96	PIL150U-C350
450mA	427mA - 473mA	333VDC	150W	92.0%	0.99	0.96	PIL150U-C450
700mA	665mA - 735mA	214VDC	150W	92.0%	0.99	0.96	PIL150U-C700
1050mA	997mA - 1103mA	142VDC	150W	92.0%	0.99	0.96	PIL150U-C1050
1400mA	1330mA - 1470mA	107VDC	150W	91.0%	0.99	0.96	PIL150U-C1400
1750mA	1662mA - 1838mA	85VDC	150W	91.0%	0.99	0.96	PIL150U-C1750
2100mA	1995mA - 2205mA	71VDC	150W	91.0%	0.99	0.96	PIL150U-C2100
2450mA	2327mA - 2573mA	61VDC	150W	91.0%	0.99	0.96	PIL150U-C2450
2800mA	2660mA - 2940mA	53VDC	150W	91.0%	0.99	0.96	PIL150U-C2800
3150mA	2992mA - 3308mA	47VDC	150W	91.0%	0.99	0.96	PIL150U-C3150
3500mA	3325mA - 3675mA	42VDC	150W	91.0%	0.99	0.96	PIL150U-C3500
4200mA	3990mA - 4410mA	35VDC	150W	90.0%	0.99	0.96	PIL150U-C4200
4900mA	4655mA - 5145mA	30VDC	150W	90.0%	0.99	0.96	PIL150U-C4900
5950mA	5652mA - 6248mA	25VDC	150W	90.0%	0.99	0.96	PIL150U-C5950

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: Output current factory set to nominal, unless otherwise specified.

Derating Curve



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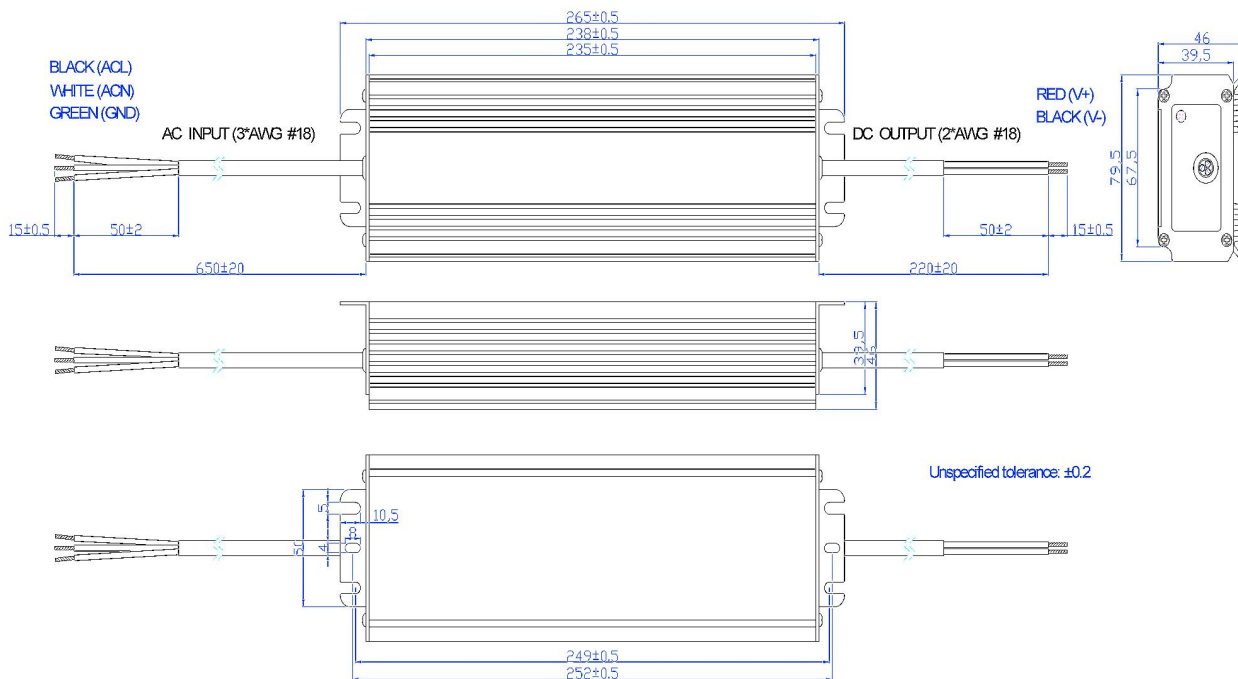
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Mechanical Outline Drawing



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