



- Ultra High Efficiency (Up to 87%)
- Active Power Factor Correction
- Constant Output Voltage
- Up to 305VAC Operation
- Waterproof to IP67
- Comprehensive Protection Circuitry
- Approved to UL8750 & EN61347
- RoHS Compliant
- 3 Year Warranty

Electrical Specifications

Input

| | |
|---------------------|----------------------------------|
| Input Voltage | 90-305VAC |
| Input Frequency | 47-63 Hz |
| Input Current | 0.70A @ 110VAC 0.35A @ 220VAC |
| Inrush Current | 20A @ 230VAC/25°C/Cold Start |
| Power Factor | See table |
| Leakage Current | 300µA @ 120VAC 500µA @ 240VAC |
| No Load Input Power | ≤3W |

General

| | |
|----------------------|---|
| Efficiency | See tables |
| Isolation | 3kVAC input to output 1.5kVAC input to ground 0.5kVAC output to ground 487kHrs @110VAC, 12VDC model, 80% load, 25°C |
| MTBF (MIL-HDBK-217F) | 6.77"L x 1.36"W x 1.67"H |
| Dimensions | 1.06 lbs. |
| Net Weight | |

Output

| | |
|--------------------------|---|
| Output Voltage | See table |
| Initial Set Accuracy | ±10% |
| Minimum Load | No minimum load required |
| Start Up Delay | 2 seconds max @110VAC |
| Hold Up Time | ≥10mS @ 120VAC, full load |
| Line Regulation | ±3% |
| Load Regulation | ±10% |
| Transient Response | ±15% max. deviation, recovery to within spec in 300ms for a 50% step load change at a 1A/µs slew rate |
| Ripple & Noise | 10% pk-pk, 20MHz bandwidth |
| Overvoltage Protection | Hiccup mode; auto-recover when fault removed |
| 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 |

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

Environmental

| | |
|---------------------|--------------------------------------|
| Operating Temp. | -35°C to +70°C, (see derating curve) |
| 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 |
| 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 |

Your Partners in Power.....

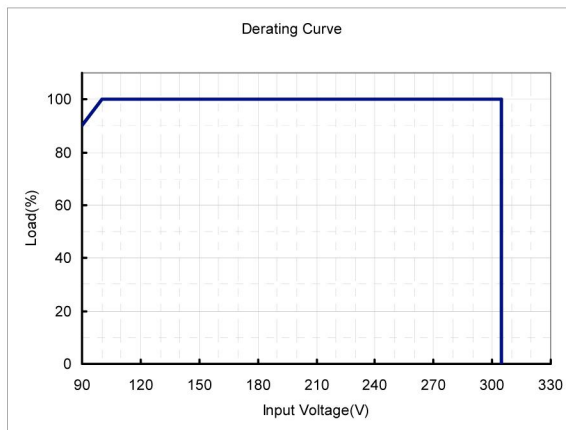
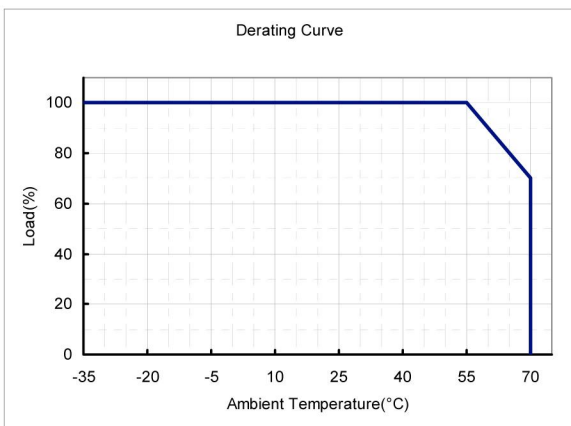
Specifications subject to change.
PIL50U-V: 02/08/2010



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Derating Curve



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