



FEATURES AND BENEFITS

High Efficiency (up to 93%)	Waterproof (IP67)
Wide Range Universal Input 90-305 VAC	Lightning Protection
Active Power Factor Correction (0.99 typical)	Minimum of 3 Year Warranty, Consult factory for 5 Years
Constant Voltage Output	SELV
Overcurrent, Overvoltage, Overtemperature Protection	Meets UL8750, UL935 & EN61347 Safety

MODEL SELECTION

Model Number	Output Current	Output Voltage	Efficiency*		Ripple & Noise**	Efficiency*		Overvoltage Trip Level
			110Vac	220Vac		Line	Load	
LE150S24VN	0 - 6.25A	24Vdc	89% - 90%	92% - 93%	2% of Vo pk-pk	±1%	±2%	110% - 130% of Vo
LE150S48VN	0 - 3.13A	48Vdc	89% - 90%	92% - 93%	2% of Vo pk-pk	±1%	±2%	110% - 130% of Vo

- Notes: 1. Efficiency measured at full load, at input voltage noted.
2. Measured at 20MHz bandwidth, with noise probe directly across output terminals, and load terminated with 0.1µF ceramic and 10µF low ESR electrolytic capacitors.

INPUT

AC Input	90-305Vac, 47-63Hz, 1Ø
Input Current	100Vac: 1.75A, 220Vac: 0.8A
Inrush Current	230Vac, cold start: will not exceed 65A
Input Fuses	XA, 250VAC fuses provided on all models
Earth Leakage Current	<0.75mA@277Vac, 50Hz
Efficiency	See Models chart

OUTPUT

Hold-up Time	20 mSec
Turn On Time	1.5 seconds, max.
Dimming Function	1-10Vdc source or External Resistor can be used for dimming control. See below
Output Power	150W continuous
Output Voltage	See models chart on pg 1
Ripple and Noise	See models chart on pg 1
Total Regulation	+/- 3%. See chart

PROTECTION

Overtemperature Protection	Latch mode. AC input will need to be reset To return to normal operation after an OTP condition. Trip Temperature = 110°C typical
Overload Protection	110%-180% of Io rated, Hiccup Mode
Short Circuit Protection	Provided - no damage to unit, self-recovery
Overvoltage Protection	Latch mode. AC input will need to be reset to return to normal operation after an OVP condition. See chart for trip range



EMI/EMC COMPLIANCE

Emissions	EN55015, Radiated & Conducted with 6db of margin
EMI for Lighting Equipment	EN61547
Static Discharge Immunity	EN61000-4-2, 4kV Contact Discharge, 8kV air discharge
Radiated RF Immunity	EN61000-4-3
EFT/Burst Immunity	EN61000-4-4
Line Surge Immunity	EN61000-4-5, 4kV line-line, 6kV line-earth
Conducted RF Immunity	EN61000-4-6
Power Frequency Magnetic Field Immunity	EN61000-4-8
Voltage Dip Immunity	EN61000-4-11
Line Harmonic Emissions	EN61000-3-2
Flicker Test	EN61000-3-3

RELIABILITY

MTBF	261,000 hours (110Vac input, 80% load, 25°C ambient, per MIL-HDBK-217F)
Lifetime	78,000 hours (220Vac input, 80% load, 60°C case temperature)

SAFETY

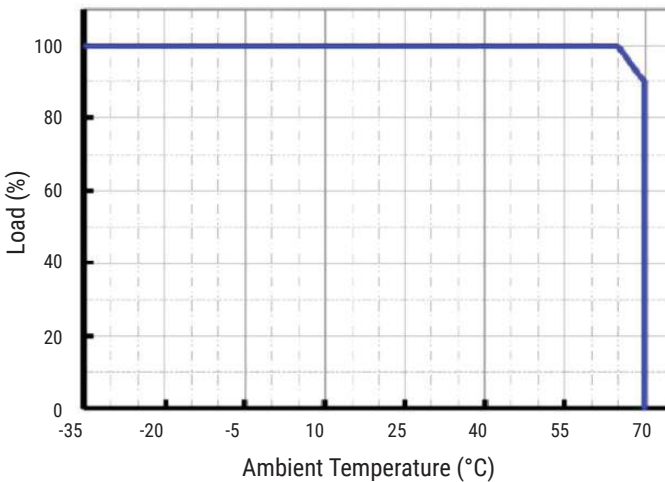
Safety Standards	UL8750, UL935, UL1012, CSA-C22.2 No. 107.1, EN61347-1, EN61347-2-13
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ENVIRONMENT

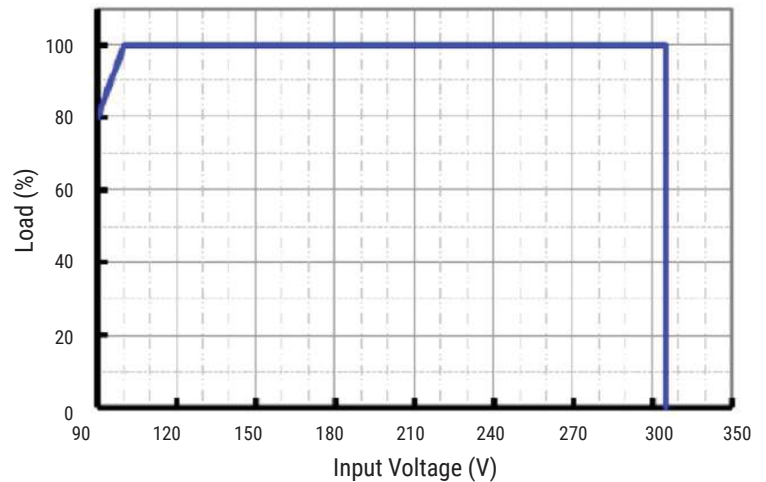
Operating Temperature	Operating: -35°C to +70°C, Non-operating: -40°C to +85°C
Relative Humidity	10% to 100% operating, 5% to 100%, non-operating
Dimensions	W: 3.13" x L: 9.37" x H: 1.81"
	1500g

DERATING CURVES

Derating Curve



Derating Curve





MECHANICAL DRAWING

