

Project name

Type

LW-ELDR-100~277VAC-CV-24V-60W-IP66-PLG

Features

- Constant voltage design
- Universal AC input / Full range
- Small dimensions, High efficiency, High reliability, Long lifetime
- IP66 design for outdoors installation
- Working temperature: -25°C ~ +60°C
- Protection: Short Circuit / Over Loading / Over Voltage, etc
- Typical efficiency: 88.5%
- UL/CE/IP66 certified, RoHS compliant
- Class 2 power unit
- 100% full load burn-in test



Specification

Output	DC Voltage	24V
	Rated Current	2.5A
	Rated Power	60W
	Voltage Tolerance	±2%
	Voltage Regulation	±0.5%
	Load Regulation	±1%
Input	Voltage Range	90-305VAC
	Frequency Range	47-63Hz
	Power Factor (Typ.) @Full Load	0.50 @100VAC 0.45 @277VAC
	Efficiency (Typ.)	88.5%
	AC Current	1.24A @100VAC 0.71A @230VAC 0.5A @277VAC
	Inrush Current (Typ.)	Cold start: 50A @230VAC
	Leakage Current	<0.75mA @240VAC
Protection	Short Circuit	Hiccup mode, recovers automatically after fault conditions removed
	Over Load	105% - 135% of the rated output power. Recovers automatically after the load reduced
	Over Voltage	24.5-35.0V, recovers automatically after fault conditions removed
	Over Temperature	100°C ±10°C, Shut down O/P voltage, recovers automatically after temperature goes down
Environment	Working Temperature	-25°C ~ +60°C
	Working Humidity	10% ~ 90%RH, non-condensing
	Storage Temperature & Humidity	-25°C ~ +75°C 5% ~ 95%RH
	Temperature Coefficient	±0.05%/°C 0 ~ 40°C
	Vibration	10 ~ 300Hz, 1G 10min./1 cycle, period for 60min. each along X, Y, Z axes
Safety & EMC	Safety Standards	UL8750, EN61347-1, EN61347-2-13, IP66 waterproof rating
	Withstand Voltage	I/P-O/P: 3.75K VAC I/P-FG: 1.875K VAC O/P-FG: 0.5K VAC
	Isolation Resistance	I/P-O/P: 100MΩ 500VDC 25°C 70%RH
Others	Net Weight	0.40kg
	Dimensions	248 x 42 x 21.5mm 9.76 x 1.65 x 0.85in (L x W x H)

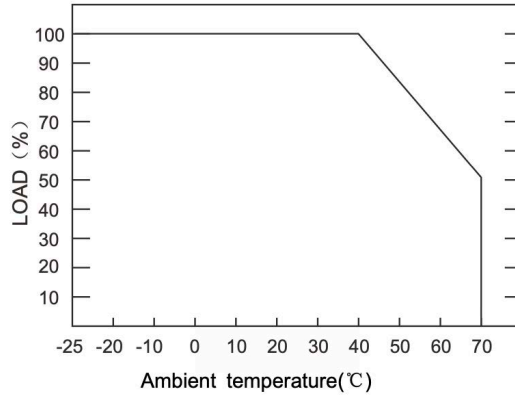
All parameters if NOT specified otherwise are measured at 230VAC input, rated load and 25°C ambient temperature. To extend the driver's using life, please reduce the loading at lower input voltage.

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Derating Curve



To extend their life, please refer to the Derating Curve and derate according to the temperature

Dimensions

