

**Project name****Type**

# LW-ELDR-100~277VAC-CV-24V-96W-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

|                         |                                |  |
|-------------------------|--------------------------------|--|
| <b>Output</b>           | DC Voltage                     | 24V  |
|                         | Rated Current                  | 4A   |
|                         | Rated Power                    | 96W  |
|                         | Voltage Tolerance              | ±2%  |
|                         | Voltage Regulation             | ±0.5%  |
|                         | Load Regulation                | ±1%  |
| <b>Input</b>            | 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                     | 1.6A @100VAC    0.85A @230VAC    0.75A @277VAC   |
|                         | Inrush Current (Typ.)          | Cold start: 55A @230VAC  |
| <b>Protection</b>       | Leakage Current                | <0.75mA @240VAC  |
|                         | 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                      |
| <b>Environment</b>      | Over Temperature               | 100°C ±10°C, Shut down O/P voltage, recovers automatically after temperature goes down |
|                         | 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  |
| <b>Safety &amp; EMC</b> | Vibration                      | 10 ~ 300Hz, 1G 10min./1 cycle, period for 60min. each along X, Y, Z axes               |
|                         | 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                           |
| <b>Others</b>           | Isolation Resistance           | I/P-O/P: 100MΩ    500VDC    25°C    70%RH  |
|                         | Net Weight                     | 0.65kg   |
|                         | Dimensions                     | 292 x 48 x 23.5mm   11.5 x 1.89 x 0.93in (L x W x H)                                   |

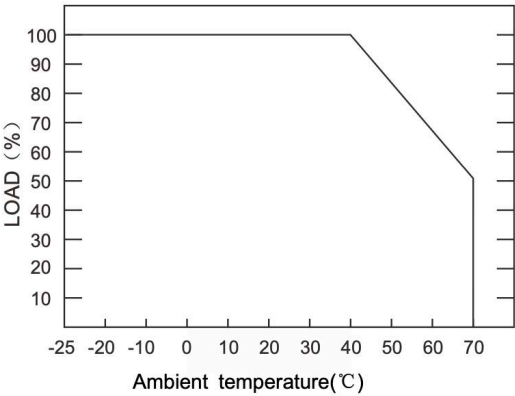
All parameters if NOT specified otherwise are measured at 120VAC input, rated load and 25°C ambient temperature.  
To extend the driver's using life, please reduce the loading at lower input voltage.

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Derating Curve



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

Dimensions

