

EUROPA SERIES

Europa Series

Dependable constant-voltage power for everyday professional LED work.

Europa is the core Jovian Power line for everyday commercial LED work. Aluminum housings rated IP68, UL Recognized to UL 8750 and UL 879, and a 5-year warranty, in the wattages installers use most.

POWER	OUTPUT
60 to 150W	12V, 24V
INPUT	RATING
100-277VAC	IP68, dry, damp and wet locations
HOUSING	WARRANTY
Aluminum sheet	5 years



The everyday workhorse

The wattages installers reach for most, at 12V and 24V.

Sign-ready certification

UL Recognized to UL 879 for electric sign components and UL 8750 for LED equipment.

Wet-location rated

Aluminum housing sealed to IP68 for indoor and outdoor installs.

5-year warranty

Rated for 50,000 hours MTBF or more (MIL-HDBK-217F at 25°C).

Models

MODEL	POWER	OUTPUT	CONFIGURATION	EFF. (MIN.)	PF	SIZE L X W X H (MM)	WEIGHT
LPW60-12V-U00-500	60W	12VDC	1 x 5A	86%	0.95	172 x 44 x 33	0.5 kg
LPW60-24V-U00-250	60W	24VDC	1 x 2.5A	86%	0.95	172 x 44 x 33	0.5 kg
LPW100-12V-U00-416	100W	12VDC	2 x 4.16A	90%	0.95	180 x 62 x 34	0.7 kg
LPW100-24V-U00-416	100W	24VDC	1 x 4.16A	90%	0.95	180 x 62 x 34	0.7 kg
LPW150-12V-U00-416	150W	12VDC	3 x 4.16A	93%	0.95	202 x 66 x 34	1.0 kg
LPW150-24V-U00-320	150W	24VDC	2 x 3.2A	93%	0.95	202 x 66 x 34	1.0 kg

Specifications

INPUT		OUTPUT	
Rated input voltage	100-277VAC	Mode	Constant voltage
Input voltage range	90-305VAC	Output voltage	12VDC or 24VDC
Frequency	50/60Hz	Voltage accuracy	±3% (60W); ±5% (100/150W)
Power factor	0.95 or higher	Ripple and noise	150mV (12V) / 240mV (24V)
Total harmonic distortion	Less than 20%	Line regulation	±1%
Leakage current	Less than 0.75mA	Load regulation	±5%
		Start-up time	3s or less (cold start)
PROTECTION			
		Protections	Over-current, short-circuit, over-voltage and over-temperature

ENVIRONMENT

Operating temperature	-40 to +60°C (60/100W); -40 to +45°C (150W)
Operating humidity	20-95% RH, non-condensing
Storage temperature	-40 to +80°C
Ingress protection	IP68
Vibration	10-500Hz, 5G, 30 min per axis

Certifications

- **UL Recognized, UL 8750** LED equipment for use in lighting products (cURus)
- **UL Recognized, UL 879** Electric sign components (cURus)
- **Class 2 power supply**
- **FCC Part 15** Conducted and radiated emissions

Installation

Install by qualified personnel per the NEC and local codes. Ground metal housings reliably to earth. Load to 80% of rated output or less and match the LED voltage and polarity. Run each Class 2 output as a separate circuit; do not parallel outputs. Allow ventilation and stay within the rated temperature range. Use wet-rated connections in damp and wet locations. Do not open or repair the unit.

SAFETY AND EMC

Safety	UL Recognized to UL 8750 and UL 879; Class 2
EMC	FCC Part 15
Withstand voltage	Input-output 3.75kVAC; input-case 1.8kVAC
Insulation resistance	100MΩ minimum at 500VDC

RELIABILITY AND MECHANICAL

MTBF	50,000 h or more (MIL-HDBK-217F, 25°C)
Housing	Aluminum sheet
Warranty	5 years

Applications

- LED strip lighting
- Cabinet and millwork lighting
- Signage and channel letters
- Retail displays
- Commercial interiors
- Hospitality lighting

Options

- Dimming (0-10V, PWM or potentiometer) available on request
- Adjustable output current available on request

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Specifications are typical at 25°C and subject to change without notice. Ratings per certified manufacturer data. Jovian Power is an assumed name of Planet J LLC.