

LEDA SERIES (ADDITIONAL LINE)

Leda Series

Entry-level power for cost-sensitive projects.

Leda is the entry tier of the Jovian Power range: a lightweight polymer housing rated IP67, the same 100-277VAC input and protections as the core lines, and a 3-year warranty. It suits cost-sensitive projects where a longer warranty is not required.

POWER	OUTPUT
60 and 100W	12V, 24V
INPUT	RATING
100-277VAC	IP67, indoor and outdoor installations
HOUSING	WARRANTY
Polymer (plastic)	3 years

**Value tier**

Professional input range and protections at an entry-level price point.

Lightweight polymer

Non-metallic housing, rated IP67.

Full input range

Rated 100-277VAC for US commercial circuits.

3-year warranty

For projects that need dependable power without a long warranty term.

Models

MODEL	POWER	OUTPUT	CONFIGURATION	EFF. (MIN.)	PF	SIZE L X W X H (MM)	WEIGHT
SPW60-12V-U00-500	60W	12VDC	1 x 5A	86%	0.90	165.5 x 42 x 34	0.35 kg
SPW60-24V-U00-250	60W	24VDC	1 x 2.5A	86%	0.90	165.5 x 42 x 34	0.35 kg
SPW100-12V-U00-416	100W	12VDC	2 x 4.16A	90%	0.95	204.6 x 64.6 x 32	0.88 kg
SPW100-24V-U00-416	100W	24VDC	1 x 4.16A	90%	0.95	204.6 x 64.6 x 32	0.88 kg

Specifications

INPUT	
Rated input voltage	100-277VAC
Input voltage range	90-305VAC
Frequency	50/60Hz
Power factor	0.90 or higher (60W); 0.95 or higher (100W)
Leakage current	Less than 0.75mA
OUTPUT	
Mode	Constant voltage
Output voltage	12VDC or 24VDC
Voltage accuracy	±3%
Ripple and noise	150mV (12V) / 240mV (24V)
Line regulation	±1%
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	-20 to +60°C (60W); -40 to +50°C (100W)
Operating humidity	20-95% RH, non-condensing
Storage temperature	-20 to +80°C
Ingress protection	IP67
Vibration	10-500Hz, 5G, 30 min per axis
SAFETY AND EMC	
Safety	UL Recognized to UL 8750 and UL 879 (100W); Class 2
EMC	FCC Part 15
Withstand voltage	Input-output 3.75kVAC
Insulation resistance	100MΩ minimum at 500VDC

RELIABILITY AND MECHANICAL

MTBF	30,000 h or more (MIL-HDBK-217F, 25°C)
Housing	Polymer
Warranty	3 years

Certifications

- **UL Recognized, UL 8750 and UL 879 (100W)** cURus
- **UL certification (60W)** Pending confirmation
- **Class 2 power supply**
- **FCC Part 15**

Applications

- Budget signage and displays
- Temporary and seasonal installs
- Cabinet and strip lighting
- Replacement stock

Application notes

- For a longer warranty and an aluminum housing at the same wattages, see Europa (5 years) or Callisto (7 years).

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.

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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.