

CALLISTO SERIES

Callisto Series

Rugged power engineered for demanding environments.

Callisto is the heavy-duty Jovian Power line: extruded aluminum housings sealed to IP68, UL Recognized to UL 8750 and UL 879, and a 7-year warranty. It covers 60 to 240W at 12V or 24V for exterior signage, facades and any install where the supply has to last.

POWER
60 to 240W

INPUT
100-277VAC

HOUSING
Extruded aluminum

OUTPUT
12V, 24V

RATING
IP68, dry, damp and wet locations

WARRANTY
7 years



Illustration

7-year warranty

The longest warranty tier in the range, on every wattage.

Sign-ready certification

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

Sealed for exterior use

Extruded aluminum housing rated IP68 for dry, damp and wet locations.

Rated for long life

MTBF of 70,000 hours or more (MIL-HDBK-217F at 25°C).

Models

MODEL	POWER	OUTPUT	CONFIGURATION	EFF. (MIN.)	PF	SIZE L X W X H (MM)	WEIGHT
HPW60-12V-U00-500	60W	12VDC	1 x 5A	86%	0.90	175 x 44 x 34	0.5 kg
HPW60-24V-U00-250	60W	24VDC	1 x 2.5A	86%	0.90	175 x 44 x 34	0.5 kg
HPW100-12V-U00-416	100W	12VDC	2 x 4.16A	90%	0.95	185 x 67.5 x 35	0.9 kg
HPW100-24V-U00-416	100W	24VDC	1 x 4.16A	90%	0.95	185 x 67.5 x 35	0.9 kg
HPW150-12V-U00-416	150W	12VDC	3 x 4.16A	93%	0.95	210 x 67.5 x 35	1.0 kg
HPW150-24V-U00-320	150W	24VDC	2 x 3.2A	93%	0.95	210 x 67.5 x 35	1.0 kg
HPW240-12V-U00-500	240W	12VDC	4 x 5A	93%	0.95	240 x 73 x 41.5	1.4 kg
HPW240-24V-U00-250	240W	24VDC	4 x 2.5A	93%	0.95	240 x 73 x 41.5	1.4 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% (100-240W)
Power factor	0.90 or higher (60W); 0.95 or higher (100-240W)	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
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ENVIRONMENT

Operating temperature	-40 to +60°C (60/100W); -40 to +50°C (150/240W)
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	70,000 h or more (MIL-HDBK-217F, 25°C)
Housing	Extruded aluminum
Warranty	7 years

Applications

- Exterior and channel-letter signage
- Illuminated facades
- Architectural and landscape lighting
- Hospitality exteriors
- Retail signage
- Damp and wet-location installs

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.