

METIS SERIES (ADDITIONAL LINE)

Metis Series

Compact aluminum drivers from 30 to 200W.

Metis is a compact aluminum line with the widest wattage spread in the range, including a 30W size for small sign faces, cabinets and displays. IP68, active power factor correction and a 5-year warranty.

POWER	OUTPUT
30 to 200W	12V, 24V
INPUT	RATING
100-277VAC (30-150W); 100-240VAC (200W)	IP68, dry, damp and wet locations
HOUSING	WARRANTY
Aluminum	5 years



30W size	Active PFC	Tight regulation	5-year warranty
A right-sized driver for small sign faces, cabinets and display cases.	Power factor of 0.98 or higher at 115VAC for clean, efficient input.	Load regulation within $\pm 2\%$ across the range.	Aluminum housing rated IP68 for indoor and outdoor use.

Models

MODEL	POWER	OUTPUT	CONFIGURATION	EFF. (TYP.)	SIZE L X W X H (MM)	WEIGHT
LW30-0120250-BU00	30W	12VDC	1 x 2.5A	82%	165 x 41 x 29	0.5 kg
LW30-0240125-BU00	30W	24VDC	1 x 1.25A	82.5%	165 x 41 x 29	0.5 kg
LW60-0120500-BU00	60W	12VDC	1 x 5A	85%	165 x 44 x 34	0.7 kg
LW60-0240250-BU00	60W	24VDC	1 x 2.5A	86%	165 x 44 x 34	0.7 kg
LW100-0120833-BU00	100W	12VDC	2 x 3.9A	89%	174 x 67 x 35	0.88 kg
LW100-0240416-BU00	100W	24VDC	1 x 4.16A	90%	174 x 67 x 35	0.88 kg
LW150-0121250-BU00	150W	12VDC	3 x 3.9A	92%	210 x 67.5 x 35	1.1 kg
LW150-0240625-BU00	150W	24VDC	2 x 3.2A	92.5%	210 x 67.5 x 35	1.1 kg
LW200-0121667-BU00 (100-240VAC input)	200W	12VDC	2 x 8A	92%	295 x 59.2 x 36	1.1 kg
LW200-0240833-BU00 (100-240VAC input)	200W	24VDC	2 x 4.16A	92.5%	295 x 59.2 x 36	1.1 kg

Specifications

INPUT		PROTECTION	
Rated input voltage	100-277VAC (30-150W); 100-240VAC (200W)	Over-current	100-130%, constant current limiting, auto-recovery
Input voltage range	100-305VAC (30-150W); 100-264VAC (200W)	Short circuit	Hiccup mode, auto-recovery
Frequency	47-63Hz	Over-voltage	13.2-15V (12V) / 26.4-35V (24V), shutdown
Power factor	0.98 or higher at 115VAC; 0.90 or higher at 230-277VAC (full load)	Over-temperature	Shutdown, re-power to recover
Total harmonic distortion	Less than 20% (at 50% load or more, 115VAC)	ENVIRONMENT	
Leakage current	Less than 0.75mA	Operating temperature (case)	-40 to +60°C (30-100W); to +50°C (150W); to +45°C (200W)
OUTPUT		Maximum case temperature	+90°C
Mode	Constant voltage	Operating humidity	20-95% RH, non-condensing
Output voltage	12VDC or 24VDC	Storage temperature	-40 to +80°C
Voltage accuracy	±3%	Ingress protection	IP68
Ripple and noise	120mV (12V) / 240mV (24V)	Vibration	10-500Hz, 5G, 72 min per axis
Line regulation	±1%	SAFETY AND EMC	
Load regulation	±2%	Safety (per datasheet)	UL 8750, UL 1310, Class 2
Hold-up time	10ms at 115VAC; 15ms at 230VAC (typical)	EMC	FCC Part 15B
		Withstand voltage	Input-output 3.75kVAC; input-ground 2.0kVAC; output-ground 1.5kVAC
		Insulation resistance	100MΩ at 500VDC
		RELIABILITY AND MECHANICAL	
		MTBF	50,000 h or more (30-150W); 30,000 h or more (200W)
		Housing	Aluminum
		Warranty	5 years

Certifications

- **UL 8750 and UL 1310, Class 2** Per manufacturer datasheet
- **FCC Part 15B**
- **IP68**

Application notes

- Metis is not listed as UL 879 (sign components). For sign builds that need UL 879, choose Europa or Callisto.
- The 200W model is rated for 100-240VAC input only. It is not for 277V circuits.

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.