

Power

for your cable and communications systems...

Solutions



MD-300 Series 300W Outdoor UPS



- Compact, lightweight and ideal for RFoG & MDU applications
- Line interactive technology
- One single battery (12VDC) configuration reducing costs of ownership and maintenance
- Friendly and interactive 3.5" color touchscreen display
- Micro-processor regulated sine-wave AC output
- Intelligent battery management system with temperature compensation
- Lightning arrester integrated
- Reliable protections against input, output and short-circuit
- Easily accessible front panel connections and hot swappable inverter modules
- Field-selectable output voltages
- Optional DOCSIS / EuroDOCSIS transponders for status monitoring

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Nominal Specifications

Model	Input voltage (VAC) ¹	Input frequency (Hz)	Output voltage (VAC)	Output current (A)	Maximum output power (VA)	Battery voltage (VDC)	Runtime (min) ³	Net weight (kg/lbs)
MD-300-L	220	60	63/89	5/3.3	300	12	240	12/26.5
MD-300-W	220	50	63/89	5/3.3	300	12	240	12/26.5
MD-300-L120	120	60	63/89	5/3.3	300	12	240	12/26.5

1. Input voltages of 100VAC 60Hz, 110VAC 60Hz, 115VAC 60Hz, 120VAC 60Hz, 220VAC 60Hz, 230VAC 50Hz and 240VAC 50Hz are available also. Please contact us directly for details.
2. Battery runtime based on single string 100AH batteries at 25°C (77°F) and typical 80% load. Figures may vary according to battery age, capacity & condition, type of load, temperature and other factors.
3. Both input voltage and output voltage can be customized. Please contact us for details.

General Specifications

Input

Voltage range	± 15%
Power factor	>0.90 at full load

Output

Voltage regulation	± 5%
Waveform	Sine wave
Frequency stability	± 0.05% inverter mode
Overloading Protection	Programmable, 125% max.
Efficiency	≥90%
Transfer characteristic	4ms

Battery & Charger

Battery type	VRLA or Lithium
Charger current	6-10A
Charging time	8 hours typical to 80% capacity

Mechanical

Status display	Color touch screen display
Input Connector	IEC320/C14
Output Connectors	Anderson PP45 or equivalent
Battery Connector	Anderson PP75 or equivalent
Finish	Black powder coating
Dimensions (WHD)	234 x 197 x 220mm 9.2" x 7.8" x 8.7"

Environmental

Operating temperature	-40°C to 55°C / -40°F to 131°F
Operating humidity	0 to 95% non-condensing

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