

# Power

for your cable and communications systems...

# Solutions



## MD Series Standby Power Supply



- MD series standby power supply is designed for powering single processing equipments in cable TV and telecommunications systems outdoors.
- Ferroresonant transformer, which features complete line conditioning, provides fully regulated, reliable and uninterruptible **quasi-square wave** AC power.
- Easily accessible front panel connections make operation and maintenance easy.
- Smart LCD + LED display shows, simply but clearly, operating status and information of the power supply, as well as visible alarms.
- Two micro-circuit breaker (MCB) located at the front panel are quite useful to cutoff main power and battery immediately in emergency.
- Various voltage configurations provide more options and extend applications as well.
- Power inserter, pole & wall mount (PWM) enclosure and ground mount (GM) enclosure are available as optional features.



Optional features (from left to right): Power Inserter, GM Ground Mount Enclosure and PWM Pole & Wall Mount Enclosure.

# MD Series Standby Power Supply

## Nominal Specifications

Model <sup>1</sup>	Input voltage (VAC) <sup>2</sup>	Input frequency (Hz)	Input fuse protection (A)	Output voltage (VAC)	Output current (A)	Maximum output power (VA)	Battery voltage (VDC)	Standby time (min) <sup>4</sup>	Net weight (kg/lbs)
MD-608-W	220 or 240	50	8	60	8	480	36	430	13/28.7
MD-908-L	120 or 220	60	8	90	8	720	36	280	17/37.5
MD-9010-L	120 or 220	60	8	90	10	900	36	220	20/44.1
MD-6010-W	220 or 240	50	8	60	10	600	36	340	15/33.1
MD-6015-L	120 or 220	60	8	60	15	900	36	220	20/44.1
MD-6015-W	220 or 240	50	8	60	15	900	36	220	20/44.1
MD-6915-L	120 or 220	60	8	60/90 <sup>2</sup>	10/15	900	36	220	20/44.1
MD-6915-W	220 or 240	50	8	60/90 <sup>2</sup>	10/15	900	36	220	20/44.1
MD-9015-L	120 or 220	60	10	90	15	1350	36	140	25/55.7
MD-9615-L	120 or 220	60	10	90/60 <sup>2</sup>	15/22.5	1350	36	140	25/55.7

1. Please see Model Definition Table in next page.
2. 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.
3. Output voltage of the model is field selectable.
4. Standby times 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.
5. Both input voltage and output voltage can be customized. Please contact us for details.

## General Specifications

### Input

Voltage range	-20% to 15%
Power factor	>0.90 at full load

### Output

Voltage regulation	5%
Waveform	Quasi-square wave
Frequency stability	± 0.05% inverter mode ± 1% normal mode <input type="checkbox"/>
Short circuit current	150% of max. current rating
Efficiency	≥90% line mode; >85% typical standby mode <input type="checkbox"/>
Transfer characteristic	uninterruptible

### Battery & Charger

Battery type <input type="checkbox"/>	Sealed maintenance free VRLA
Charger current	10A at 80% load and nominal input
Charging time	8 hours typical to 90% capacity

### Mechanical

Front panel features	Input & output connections, battery connections, <input type="checkbox"/> LCD + LED display, line breaker, battery breaker, ON & OFF pressbuttons and Down-scroll key.
LCD display features	Input voltage, output voltage and current, battery voltage, ambient temperature.
LED display features	Operation mode and visible alarm
Finish	Black powder coat
Material	Aluminum
Dimensions	380x330x160mm <input type="checkbox"/> 15.0"x13.0"x6.3"

### Environmental

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

## Optional Features



### PI-116 Power Inserter

- > 4 connections, 2 outputs
- > Built of durable powder coated aluminum
- > 860MHz bandwidth performance
- > 1.5dB insertion loss
- > 16dB return loss (47 to 860MHz)



### PWM Enclosure

- > Pole and wall mount installations
- > Built of durable powder coated aluminum
- > Two-tray structure (3-battery capacity)
- > Line power breaker
- > Easy use installation kit
- > Security lock

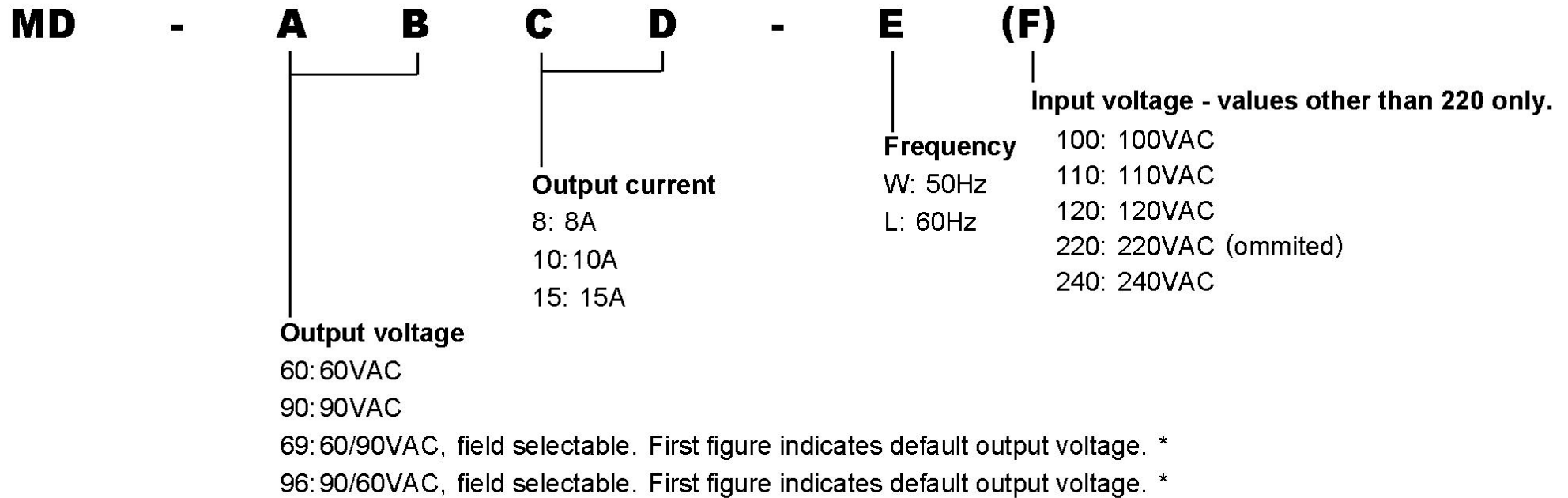


### GM Enclosure

- > Ground mount installations
- > Built of powder coated cold rolled steel plate
- > Two lockable doors
- > Four movable (up & down) trays
- > Line power breaker
- > Security lock

# MD Series Standby Power Supply

## Ordering Information / Model Definition



\* Default output voltage is used to verify maximum output power of the unit. Example: MD-6915-W, 900VA; MD-9615-W, 1350VA.

NOTE: output voltage of field-selectable-voltage units is not always set to the default before delivery. Always verify output voltage of the unit before feeding to the loads.

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