

# **POWERGRID™**

## **MOBILE POWER [MP]**

**Model No. MP8**

### **Specifications**

#### **Inverter Output:**

- Continuous Output Power: 6000 Watts Continuous Output Current: 50A AC @120V (25A AC@ 240V)
- Surge Rating: 18000 Watts (20 Seconds) 120/240Vac = 75A at 240V/150A at 120V surge capacity
- Single Phase 50 or 60hz
- Output Waveform: Pure Sine/Same as input (Bypass Mode) Nominal Efficiency: >88% (Peak)
- Line Mode Efficiency: >95%
- Output Frequency: 50Hz +/- 0.3Hz / 60Hz +/- 0.3Hz
- Typical Transfer Time: 10ms (Max) THD: < 10% DC
- 60-amp automatic transfer switch
- 10 ms (max) – Transfer bypass



#### **Battery**

- 7.6 KWH
- 330Ah
- LiFeMnPO4
- Unlimited cycles in the first 5 years, regardless of DOD Charge to 90% in less than 10 Minutes
- Large Format Prismatic - High current charge and discharge capabilities

#### **DC Input**

- Nominal Input Voltage: 24 Vdc, available in 48V
- Minimum Start Voltage: 20 Vdc
- Low Battery Alarm: 22 Vdc
- Low battery Trip: 21Vdc
- High Voltage Alarm: 27.68 Vdc
- Low battery Voltage Restart: 21.5 Vdc
- Idle Consumption: 78 Watts
- Power Saver Mode Idle Consumption: 31 Watts
- Solar PV Input: 80A/150V (3.5KW)

## **DC Charger**

- Output voltage: 24V Charger Rate: 120A DC
- Over Charge Protection Shutdown 27.68V DC
- Selectable Charge setting based on battery type
- Adjustable charge current off-20%-100% Four Stage Smart Charger

## **Additional Features**

- 500A DC breaker between inverter and batteries
- 50A AC 2 pole breaker for receptacle output plugs
- 2 Output plugs for immediate plug and play power (20A circuits)
- Hydraulic lift with wheels included with each unit for easy loading and placement

## **GFCI Protected**

- Protection for two, three or four wire circuits
- Grounded neutral protection
- Open neutral protection
- Lighted and/or mechanical trip indicator
- Radio frequency interference suppression
- Trip level 4-6mA
- Provides protection in reversed polarity of input line and neutral
- Complies with UL & CSA requirements
- 120V with load currents up to 20A

## **Weight and Dimensions**

- Unit Weight: 336 lbs.
- Unit Size: L x W x H: 46 x 18.5 x 18.0 inches Shipping L x W x H 48 x 48 x 22 inches
- Shipping Weight: 345 lbs.

## **Applications**

- Mobile Power - deploy in Pick-up Truck, RV, Camper or anywhere power is needed.
- Stationary Energy Storage for Homes, Cabins, Camping, power every 120V circuit in the home or structure. Emergency Power, pre or post disaster
- Instant, Sustainable power for construction sites
- Solar PV input keeps batteries fully charged, even while powering loads

