

## Product Specification

### MEHPS

Mobile Electric Power Systems

HYBRID POWER GENERATION

HIGH DENSITY ENERGY STORAGE

RAPID ROI >> FUEL, MAINTENANCE  
AND LOGISTICS

REDUCES GENERATOR FUEL USAGE



10 kW MEHPS

- ▶ Scalable for 120V, 240V & 208V 3P Output
- ▶ 12-28 VDC 2 kW Output
- ▶ Solar Energy Collection for Improved Efficiency
- ▶ Extended Silent Watch Capability (8-24 Hours)
- ▶ Generator Load Balancing
- ▶ Deploys in < 20 Minutes
- ▶ Interfaces 3 & 5kW TQG, 5, 10 and 15 kW AMMPs\*
- ▶ Emergency DC Input in case of Generator Failure



This Power Management System optimizes power from generators, renewable resources, and batteries to produce clean continuous AC and DC power for remote electronic systems. The system is modular, rugged and scalable for deployment wherever power is needed. The system collects up to 4kW of solar energy for added efficiency. The system is modular, man portable or trailer mountable. The MEHPS can be configured as 5kW, 10kW, or 15kW by adding ACPDU(s).



5 kW MEHPS

# MEHPS

Expeditionary forces experience high variability in load requirements over time. Deployed generators often operate at sub-optimal loads. The Hybrid Energy Generation System optimizes each type of power input to output conversion to provide stable conditioned 28VDC, 120VAC, and 208VAC. The system accepts and regulates power from a scalable variety of renewable energy sources, battery arrays, and auxiliary AC and DC sources while smartly managing the power available from each source to minimize fuel consumption.

1030B01: Alternating Current PDU	84 LBS
1030B02: Direct Current PDU	69 LBS
1030B03: Large Format Battery	80.7 LBS



5 kW MEHPS

### General Specifications:

<p>Power: 5000W Continuous, 6000W Peak          Inputs: (AC) 80-150 VAC, 54-66Hz, 30 amps (max)          (DC) 28 VDC, 2kW          (Solar) 0-4kW-hrs          Outputs: (AC) 120 VAC, 60Hz, 30Amp          (DC) 24 VDC, 1kW (max)          Storage: 7 x 2.6kW/hr Battery</p>	<p>Environmental: Temp Range -4°F to 131°F          Corrosion Resistance: MIL-STD-810F, Method 509.4          Shock Resistance: MIL-STD-810F, Method 516.5, Proc IV          Rain Resistance: MIL-STD-810F, Method 506.4          Battery Options: High Energy Lithium (HEDBS) 103.6A-h</p>
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10 kW MEHPS