

Mobile Power Grid – 1 MW – MPG System Specifications

1 MW-MPG

1 MW Mobile Power Grid

The 1 MW-MPG uses two trailers one 40 foot trailer, shown below, contains the energy storage system, power conversion system, environmental controls and the power connection panels. A second trailer contains two (2) 500kW generators and 1 fuel tank.



GENERAL RATINGS			
Continuous Power	1MW		
Peak Power	2MW	Up to 1 Hour	
Power Conversion System	1MW @ specified voltage and frequency		
Generator options: (This system uses 2)	1MW @50Hz/ 1.2MW @ 60Hz	500kW 380/400/415VAC 3Ø 50Hz 600kW 208/240/440/480 3Ø 60Hz	
Fuel	As specified by client NG or Diesel		
Renewable input	25kW @ 600VDC passive		Custom options available
Energy Storage Capacity	1MWh	700 VDC nominal	
Battery Management System	Proprietary controller		
Environmental Control	20kW heat pump system		
Energy Module Trailer	40'L x 8'W x 9'6H	Loaded Gross Vehicle Weight = 61,500 lbs / 27,945 kG	
Generator Trailer	40'L x 8'W x 9'6H	Dry Gross Vehicle Weight = 37,500 lbs / 17,045 kG	
Fuel Tank	Depends on type of fuel required		Options: NG or Diesel
External Communications	MODbus	Other communications packages available	
Fire suppression system	Fuel: CO2		
<i>Quick connect cables provided for communications and power between the generator and the MPG trailers</i>			
<i>Fused output terminals lugs provided to connect the MPG trailer to the user's power distribution center</i>			

Contact

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