



Portable Micro-Grid™ PRELIMINARY

Commercial/Military & Recreational

Portable 24V uninterrupted power supply system, supporting 1500+ Watts of power. The PMG utilizes the latest in Lithium-Iron Phosphate battery chemistry (environmentally-friendly) for lightweight transport and long operational use. Components are replaceable in the field under 20 minutes.

FEATURES:

1800 WATTS INVERTER

- 2- GFCI AC 120V outlets (15 A)
- 4- USB Port 2.0 Outlets (15 A)

LCD INVERTER CONTROL PANEL

Displays: DC Volts, Amps, and Output Power

24V DUAL BATTERY POWER SUPPLY

Li-FePO4 Battery Chemistry - Fire Resistant, Light Weight "Green"

20A BATTERY CHARGER - MULTISTAGE CHARGING (BULK, ABSORPTION, FLOAT)

- Power factor corrected, temperature-compensated charging
- Battery equalization feature (ability to charge batteries drained or extremely low voltage)

LCD BATTERY CONTROL PANEL

Three-stage charging selection with indicators

Amount of power to expect from the Portable Micro-Grid™

PRELIMINARY

Estimated
wattage
used

PMG
Recreational 110

PMG
Commercial 200

	Estimated wattage used	PMG Recreational 110	PMG Commercial 200
Microwave Oven	1500	47 minutes	1 hour, 27 minutes
Hair Dryer	1300	55 minutes	1 hour, 40 minutes
Freezer Chest	1200	59 minutes	1 hour, 48 minutes
Iron	1000	1 hour, 11 minutes	2 hours, 10 minutes
Reciprocating Saw	700	1 hour, 42 minutes	3 hours, 5 minutes
Coffee Maker	600	1 hour, 59 minutes	3 hours, 36 minutes
1.7 Cu Refrigerator	600	1 hour, 59 minutes	3 hours, 36 minutes
Flood Light	500	2 hours, 23 minutes	4 hours, 19 minutes
Blender	600	1 hour, 59 minutes	3 hours, 36 minutes
35" Flat Panel Television	200	3 hours, 56 minutes	10 hours, 48 minutes
Satellite Dish Receiver	200	3 hours, 56 minutes	10 hours, 48 minutes
Laptop	100	11 hours, 53 minutes	21 hours, 36 minutes
TailGating Scenario: TV, Sat. Receiver, Port. Electronics	400	2 hours, 58 minutes	5 hours, 24 minutes
Power Outage Scenario: TV, Refrigerator, Cell Phone	700	1 hour, 42 minutes	3 hours, 5 minutes

Capacity (Wh)

1320

2400

Utilization (Wh)

1188

2160

Military Standard Waterproof
Case + Wheels

24V Power Supply

Long Duration (55Ah, 24V)
12Hours @ 100W

External Anderson Connection

Military Standard Waterproof
Case + Wheels

24V Power Supply

Long Duration (100Ah, 24V)
21 Hours @ 100W

External Anderson and NATO Connection

