



48 kW APOLLO™ POWER PLANT - MODEL 101-B

11.5 kW FUEL CELL AND 48 kWh BATTERY w/ 172 kW OVERLOAD PROTECTION

Application: 24-Hour Power Supply for Home, Farm or Commercial Establishment for Heating, Lighting and operation of appliances independent of the outside power line (utility grid) supplied by the electric utility company.

- Will operate a 14-HP AC Electric Motor on a continuous 24-hour basis.

Specifications of Power Plant equipment:

Lead Cobalt Battery.

240-volt @ 200-amps 1/C - 48 kWh
One-minute power surge: 600-amps.
Battery supplies power to Inverter or EV Controller.

Apollo™ Fuel Cell.

342-volts open circuit (360 cells @0.95 volts per cell).
288-volts @ 0.8 volts per cell under 40-amp load = **11.52 kW**.
Fuel cell charges battery at 288-volts @ 40-amps.

Maximum Heating & Lighting Energy:

11.52 kW x 24-hours = 276 kWh x 30-days = 8,280 kWh

DC to AC Inverter for supplying power to load: 48 kW

Input from battery: 288-Volts DC, 40-amps	11.52 kW
One-minute overload: 600-amps @ 240 volts	172.80 kW
Output: 240 Volts AC, 50/60 Hertz, 45.6-amps	10.94 kW
230 Volts AC, 50/60 Hertz, 47.5-amps	10.94 kW
120 Volts AC, 50/60 Hertz, 91.2-amps	10.94 kW

- **AUTOMATED CONTROL SYSTEM**
- **Cable, conduit, plumbing, hydrogen sensors and cabinets for system integration.**

Hydrogen Generation Equipment:

- Ammonia Cracker
- Natural Gas / Propane (LPG) Reformer