



## 26 kW APOLLO™ POWER PLANT - MODEL 115-C

15 kW FUEL CELL AND 26 kWh BATTERY w/ 95 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 20-HP AC Electric Motor on a continuous 24-hour basis.

### Specifications of Power Plant equipment:

#### Lead Cobalt Battery.

240 volt @ 110 amps 1/C = **26.4 kWh**

One-minute power surge: 330 amps.

Battery supplies power to Inverter.

#### Apollo™ Fuel Cell.

320 volts open circuit (360 cells @0.95 volts per cell).

288 volts @ 0.8 volts per cell under 55 amp load = **15.8 kW**.

Fuel cell charges battery at 288-volts @ 55 amps.

#### Maximum Heating & Lighting Energy:

15.8 kW x 24-hours = 379 kWh x 30-days = **11,910 kWh**

**DC to AC Inverter for supplying power to load: 26.4 kW**

Input from battery: 288 Volts DC, 55 amps		15.840 kW
One-minute overload: 330 amps @ 288 volts		95.040 kW
Output:	240 Volts AC, 50/60 Hertz, 62.7 amps	15.048 kW
	230 Volts AC, 50/60 Hertz, 65.4 amps	15.048 kW
	120 Volts AC, 50/60 Hertz, 125.4 amps	15.048 kW

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

#### Hydrogen Generation Equipment:

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