

ST-150 Series

Apollo Modular Power System (AMPS)

The Apollo ST-150 is a modular solar power platform that allows anyone to quickly bring utility grade electric power to any location on Earth. It is designed for rapid deployment by emergency services organizations, building contractors, and also for providing power to residential homes in remote locations. It generates an average of 5.6 Kilowatt Hours of clean solar energy per day, providing AC and DC electrical power 24 hours continuously.

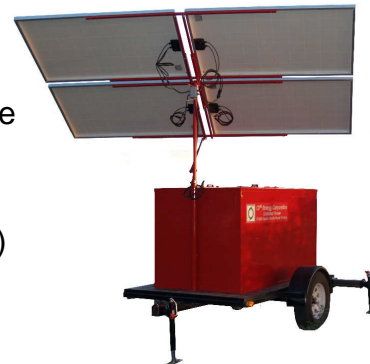
The ST-150 can be easily towed by cars and light trucks and does not need any special skills or tools to set up. The ST-150 units are compact and can be airlifted to any remote location. All ST Series products are designed to provide an exact match to your requirements and budget. They are low-cost, ruggedized platforms capable of a variety of specialized configurations. In addition to their basic power generation capabilities, CP² Energy Corporation can provide customized ST150 units for:

- Water Purification
- Distributed Community Power Systems
- Telecommunications
- Environmental & Natural Resource Monitoring
- Security & Government Applications
- Aircraft Operations & Maintenance



The ST-150 includes the following standard equipment:

- 7' X 11' X 5' Single 3,500 lb. axle off road trailer package
- (12) GC2 6V AGM Batteries (2700 AH), L-16 optional
- 120/240 VAC 60 Hz 4000 Watt Pure Sine Inverter
- (4) 235 Watt REC235PE Solar Panels (940 Watts Total)
- 45 Amp, MPPT Morningstar Charge Controller
- All electrical & safety components are UL listed



CP² Energy will customize this product to suite and all models come with a 10-year warranty.

The ST-150 package has been designed to offer maximum flexibility for all kinds of applications in addition to providing electrical power. Removable access panels are provided for the installation of user configured or specified equipment.

ST-150 Product General Specifications

Note: The ST-150 Series is designed to accommodate system components from a wide variety of manufacturers. The following general specifications apply to units supplied with the standard components listed on the previous page. Availability of these components are subject to change and they may be substituted at any time.

Mobile Unit Dimensions- inches (mm)	L = 131 (3327.4) W = 80.25 (2038.35) H = 67.50 (1714.5)
Module Dimensions inches (mm)	L = 78 (1981.2) W = 44.25 (1123.95) H = 44.5 (1130.3)
Mobile gross weight	~ 2100 lbs (954.5 kG)
Continuous Output Power @ 25 °C	4000 Watts @ 120/240 VAC 60 Hz (L-L)
Surge Output Power (5 Seconds)	5800 Watts @ 120/240 VAC 60 Hz (L-L)
Battery Capacity	2700 Amp/Hr., 16,200 Watt/Hr. Min.
Battery Type	GC-2 or L-16, Flooded, Gel or AGM
Solar Panel Capacity	820 Watts - 1140 Watts
Solar Panel Mount	Unit or Ground Pole, Ground, Building
Battery Charger	45/65 Amp MPPT 4 Stage
System Efficiency	90%+

The ST-150 has 3 vertical compartments which include:

- Elect. Equipment Compartment (top)
- Panel Storage Compartment (middle)
- SPV Rack Storage Compartment (bottom)

An optional, petroleum fueled auxiliary generator can be mounted on the front of the unit for standby battery charging.

For larger power applications, Multiple ST-150 units Can be “Bolted” together providing significant increases In energy harvest, storage and power conversion.

Apollo ST Modules can also be equipped with specific OEM Equipment making for a truly flexible service delivery foundation for just about any industry.

