

SUNKIT A351

A cost-efficient, quick-to-deploy off-grid solar power system to meet power needs for contractual commissioning, remote telemetry, and other long-duration, remote, and low-power critical loads



A steel outdoor enclosure built to NEMA3 standards with 5,120 Watt-hours of energy storage and a 300W inverter. The A351 can be paired easily with 1-2 standard PV modules between 240-1000W of PV. Once activated, it can power commissioning devices, remote monitors, etc. 24/7 over a period of weeks, months, or even permanently (after commissioning) without the physical presence of a worker on-site.

BENEFITS

- ✓ Does not require a large amount of solar input while still providing a long runtime battery
- ✓ Operating temperature range of 0°C to 55°C (32°F to 131°F) provides peace of mind and prevents maintenance trips for workers
- ✓ Pure sine wave inverters is ideal for use with sensitive equipment vs. dirty mechanical diesel generator power
- ✓ Designed with Solar EPCS and hot commissioning in mind
- ✓ Set up in minutes. This is a fully integrated solar power and energy storage system in a single enclosure. Just attach the solar array or AC charging source and plug-in appliances
- ✓ Expandable battery capacity for longer run times
- ✓ Optional Built-in GPS and Geofencing IOT
- ✓ Optional Cell Heating Elements for extreme low temperatures.
- ✓ OSHA-Compliant Lockout-Tagout features

APPLICATIONS

- ✓ Hot Commissioning For Solar EPCs
 - Testing and troubleshooting Inverters at Power Control Stations (PCS)
 - Testing and troubleshooting Tracking Devices from PCS
 - Component Performance Testing
 - Wi-Fi/Internet and Communications Testing and Troubleshooting
- ✓ Remote Telemetry and Monitoring Stations
- ✓ Remote Tracking Stations



Specifications

SunKit Version	A351
Pure Sine Wave Inverter	300W Continuous (600W <5 sec surge)
Battery Type	Lithium Iron Phosphate (LiFePO4)
Storage Capacity	5120Wh
Estimated Cycle Life based on an 80% Depth of Discharge (subject to other variables including temperature and load)	6,000 Total Operating Cycles, 4,000 Cycles at 100% potential capacity
DC Nominal Voltage	25.6V
AC Output Options	120V AC, 60Hz, 2 AC 110V 20A Outlets
Solar Charge Controller	240-1000 Watts PV, 45A Standard
AC Input	120V AC in (corresponding to AC output voltage) with programmable charging current (set to 20A default)
Circuit Breaker Protection	Yes
System Operating Voltage Range (Default)	24-30V
Operating Temperature Range	32-131°F (0-55°C)
Weight	240 lb (109kg), (boxed gross: 255lb [116kg])
Enclosure Dimensions (HxLxW)	45"x37"x15" (114x94x38cm)
Warranty and Certifications	2-YEAR LIMITED MANUFACTURER'S WARRANTY, UN 38.3 and CE Certified (Inverter and Battery), UL1973 (Cell), RoHS Compliant (Cell), OSHA Lockout-Tagout compliant

