



Using the Sun to Build a Better Generator™

48V BACKUP

BATTERY GENERATOR

A “one-person carry” lithium iron phosphate (LiFePO4) battery generator capable of running 48V loads and expanding SunKit and SunCase battery capacity



5120Wh of DC energy in a wheeled case with Anderson industrial connectors Bluetooth communication directly from the Battery Management System (BMS) provides accurate state of charge information and remote control capabilities

BENEFITS

- ☑ Battery Case allows for rapid deployment in rugged environments
- ☑ Anderson connectors allow for easy and safe connection
- ☑ Avoid using an AC Battery Generator for DC loads
- ☑ Easy to use Bluetooth App
- ☑ Vs. comparable Lead Acid Battery
 - 60% of the weight
 - 20+ times longer cycle life
 - tolerates prolonged deep discharges
 - five times longer calendar life in float applicaitons
 - 2x the energy, even with a higher discharge rate
 - better tolerance of high temperatures
 - lower lifetime ownership cost
- ☑ Vs. comparable nickel manganese cobalt battery
 - higher thermal runaway point
 - lower risk of explosion or combustion due to dropping/hitting the battery, overcharging the battery or short circuiting it

APPLICATIONS

- ☑ Adding additional battery capacity to NUE SunKits and SunCases
- ☑ Temporary battery backup
- ☑ DC-Powered Lighting
- ☑ Any 48V DC Load



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Specifications

Backup Battery Version	48V 100Ah
Battery Type	Lithium Iron Phosphate (LiFePO4)
Storage Capacity	5.12 kWh
Estimated Cycle Life based on an 80% Depth of Discharge (subject to other variables including temperature and load)	6,000
DC Nominal Voltage	51.2V
Operating Voltage Range	48-58V
Max Continuous Charge Current	100A
Nominal and Minimum Capacity	100Ah
Max Continuous Discharge Current	100A
Peak Discharge Current	300A 1-3S
Maximum in Parallel	20
Discharge Temperature Range	-4-140°F (-20-60°C)
Charging Temperature Range	32-131°F (0-55°C)
Weight	99lb (45kg)
Dimensions	23"x18"x11" (57x44x26cm)
Warranty and Certifications	5-YEAR LIMITED MANUFACTURER'S WARRANTY UN 38.3, UL (Cell), and CE (Cell)Certified.

