



Using the Sun to Build a Better Generator™

# NUE-POWER

## 12V 100AH UL LISTED

A professional-grade UL-listed lithium iron phosphate (LiFePO4) battery in rugged ABS plastic case.



1280Wh of stored energy in a durable, compact, and easy to transport case. Bluetooth communication directly from the Battery Management System (BMS) provides accurate state of charge information and remote control capabilities

### BENEFITS

- ✓ UL1973 Certification
- ✓ 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 applications
  - 2x the energy, even with a higher discharge rate
  - better tolerance of high temperatures
  - lower lifetime ownership cost
- ✓ Vs. comparable nickel manganese cobalt (NMC) battery
  - higher thermal runaway point
  - reduces the risk of explosion or combustion due to dropping/hitting the battery, overcharging the battery, or short circuiting it

### APPLICATIONS

- ✓ Grid Tie/Off-Grid solar kits
- ✓ Remote power installations
- ✓ Home backup
- ✓ Electric motor power for golf carts, boats, and light electric rail



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# Specifications

NUE-Power Version	12V 100Ah UL
Battery Type	Lithium Iron Phosphate (LiFePO4)
Storage Capacity	1.28 kWh
Estimated Cycle Life based on an 80% Depth of Discharge (subject to other variables including temperature and load)	6,000
DC Nominal Voltage	12.8V
Operating Voltage Range	12-14.6V
Max Continuous Charge Current	100A
Nominal and Minimum Capacity	100Ah
Max Continuous Discharge Current	100A
Peak Discharge Current	550A 400ms
Maximum in Series	4
Discharge Temperature Range	-4-131°F (-20-55°C)
Charging Temperature Range	-4-131°F (-20-55°C)
Weight	24.2lb (11.0 kg)
Dimensions	13"x7"x9" (33x18x22 cm)
Warranty and Certifications	5-YEAR LIMITED MANUFACTURER'S WARRANTY UN 38.3, UL1973 (Battery), and CE (Battery )Certified

