



Using the Sun to Build a Better Generator™



NUE-POWER

RACK 48V 100AH

An affordable professional-grade lithium iron phosphate (LiFePO4) battery in a standard rackmount case for medium sized indoor rack-based solutions

5120Wh of stored energy in a standard rackmount case. Bluetooth communication directly from the Battery Management System (BMS) provides accurate state of charge information and remote control capabilities.

BENEFITS

- ✓ 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 (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

- ✓ Commercial and remote power installations
- ✓ Home backup
- ✓ Off grid solar kits
- ✓ Large off-grid systems based around rackmount systems.



Specifications

NUE-Power Version	48V 100Ah Rackmount
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	43.2-58.4V
Recommended (Max) Continuous Charge Current	20A (100A)
Nominal and Minimum Capacity	100Ah
Max Continuous Discharge Current	100A
Peak Discharge Current	110 A (5 S)
Maximum in Parallel	15
Discharge Temperature Range	-4-140°F (-20-60°C)
Charging Temperature Range	32-131°F (0-55°C)
Weight	99lb (45kg)
Dimensions	17.91"x17.4"x6.1" (45.5x44.2x15.5 cm)
Warranty and Certifications	2-YEAR LIMITED MANUFACTURER'S WARRANTY UN 38.3, UL 1973 (Cell), and CE (Cell), FCC, ROHS, IEC62619 Certified

