



NUE-POWER

36V 100AH

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

3840Wh of stored energy with bluetooth communication directly from the Battery Management System (BMS) provides accurate state of charge information and remote control capabilities. We choose to use LiFePO4 (Lithium Ferro Phosphate) cell technology because it has been adopted as the global standard for in-home solar energy storage. If it is safe enough to be in millions of homes around the world, it is safe for your network.

BENEFITS

- ✓ Easy to use Bluetooth App
- ✓ Unique GPS IOT system inside-Optional
- ✓ Vs. comparable Lead Acid Battery
 - 60% of the weight
 - 20+ times longer cycle life
 - tolerates prolonged deep discharges up to 90%, not just up to 50-60%
 - five times longer calendar life in float applications
 - 2x the energy density, even with a higher discharge rate
 - better tolerance of high temperatures
 - Lead Acid derates when temperatures exceed 77°F (25°C)? Our batteries continue to work at full force up to 122°F (50°C). Operating in hot climates won't prematurely kill the battery or cut its rating
 - lower lifetime ownership cost
 - LiFePO4 charges up to 4X faster
 - No need to clean nuts, bolts and cables
 - Higher Cycle life up to 4,000 cycles at 80% DoD

APPLICATIONS

- ✓ Broadband power supplies
- ✓ Broadband service interruption window temporary power
- ✓ Golfcarts



Specifications

NUE-Power Version	36V 100Ah
Battery Type	Lithium Iron Phosphate (LiFePO4)
Storage Capacity	3.84 kWh
Estimated Cycle Life based on an 80% Depth of Discharge (subject to other variables including temperature and load)	6,000
DC Nominal Voltage	38.4V
Operating Voltage Range	33-40V
Max Continuous Charge Current	100A
Nominal and Minimum Capacity	100Ah
Max Continuous Discharge Current	100A
Peak Discharge Current	350A(500mS)
Maximum in Parallel	15
Discharge Temperature Range	-4-140°F (-20-60°C)
Charging Temperature Range	32-131°F (0-55°C)
Weight	66lb (30kg)
Dimensions	21"x11"x9" (52x27x22 cm)
Warranty and Certifications	5-YEAR LIMITED MANUFACTURER'S WARRANTY UN 38.3, UL (Cell), and CE (Cell)Certified.

