

NUEPOWER 48V 105AH METAL CASE BATTERY



A professional-grade 48V lithium iron phosphate (LiFePO₄) battery in an ultra-durable IP65 SPCC case for motive deployments.

5120Wh of 48V stored energy in a case engineered to handle vibrations and the elements. Bluetooth communication directly from the Battery Management System (BMS) provides accurate state of charge information and remote-control capabilities. GPS Tracking and Geofencing options are available

Benefits

- IP65 case protects from water and dust
- Built-in carry handles allow for easy installation and battery replacement
- Easy to use Bluetooth App
- Pairs best with NUE battery chargers
- Est. travel time on standard golf cart is 80 miles without a recharge
- Form factor works for all models of golf carts, including older Lead-Acid Models
- Designed to be screwed in place
- Vs. comparable Lead Acid Battery**
 - 60% of the weight
 - 20+ times longer cycle life
 - tolerates prolonged deep discharges
 - faster charging and dischargingz
 - 2x the energy, even with a higher discharge rate
 - better tolerance of high temperatures
 - lower lifetime ownership cost
 - superior Tier 1 UL Listed Cells allow for longer use
 - metal footers allow for easy installation
 - less cables vs. wiring 6V or 12V batteries in series

Applications

- Golf carts
- Boat outboard motors
- Power trailer builds
- RVs and tiny homes
- Off-grid installations in more extreme climates
- Replace Lead Acid batteries in older golf carts, trailers, forklifts, and stationary applications
- Save money by extending the life of existing carts rather than buying new
- Most common Battery Voltage in US Golf Carts



SPECIFICATIONS

NUEPower Version	48V 105Ah Metal Case Battery
Battery Type	Lithium Iron Phosphate (LiFePO4)
Storage Capacity	5120 Wh
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	51.2V
Operating Voltage Range	43.2-58.4V
Nominal Capacity	100Ah
Max Continuous Charge Current	100A
Max Continuous Discharge Current	100A
Rated Voltage	48V
Rated Capacity	105Ah
Peak Discharge Current	600A (3-5 s)
Maximum in Parallel	16
Discharge Temperature Range	-4 to 140 °F (-20 to 60 °C)
Charging Temperature Range	32 to 131 °F (0 to 55 °C)
Optional Internal Heating Element	Heating ON @ 32°F (0°C), Heating OFF @ 41°F (5°C) Optional Internal Heating Element Consumes 85W
Weight	99.2 lbs (45 kg)
Dimensions	21.7"x12.2x8"(55x31x20 cm)
Warranty and Certifications	5-YEAR LIMITED MANUFACTURER'S WARRANTY UN 38.3, Conforms to UL 1973 (Cell), and CE (Cell) Certified