

# NUEPOWER 48V 52AH METAL CASE BATTERY

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

2510Wh 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 35 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
- Capacity matches common user loads and distances
  - 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 with limited range applications
- 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
- Golf courses and large personal properties



# SPECIFICATIONS

NUEPower Version	48V 52Ah Metal Case Battery
Battery Type	Lithium Iron Phosphate (LiFePO4)
Storage Capacity	2560Wh
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	50Ah
Max Continuous Charge Current	50A
Max Continuous Discharge Current	50A
Rated Voltage	48V
Rated Capacity	52Ah
Peak Discharge Current	250 A (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	52.9 lbs (24 kg)
Dimensions	12"x13"x8" (30x32x20 cm)
Warranty and Certifications	5-YEAR LIMITED MANUFACTURER'S WARRANTY UN 38.3, Conforms to UL 1973 (Cell), and CE (Cell) Certified