

EnGo 2.5kWh Battery

High Quality Lithium Batteries



FEATURES



Long Battery Life
10,000 cycles at 80% depth of discharge



Safety
Battery Management System for overcharge protection



Maintenance-free
5-10 year warranty



Higher Capacity
50% more capacity than the lead-acid equivalent



Fast Charging
Low resistance and 99% efficiency will minimize the losses during charge which will result in faster charging



Broad operating temperature
Aluminum alloy enclosure, coupled with three specially designed layers of isolation, enables EnGoPlanet batteries to sustain severe temperatures



Power Availability
Full power is available throughout discharge. Voltage does not drop like lead acid



Versatile installation options
Support all weather conditions for both indoor and outdoor installations

EnGo LiFePO4 Battery

Technical Data Sheet

BATTERY SPECIFICATIONS		50Ah 48V
SKU	EnGo LiFePO4 50 Ah	
Nominal Voltage	51.2V (16Serial-cell)	
Amp-Hours	50 Ah	
Nominal Energy	2,56 kWh	
Allowed MAX discharge current	50A	
Recommended charge current	≤10A	
Allowed MAX charge current	25A	
Operating temperature	Charge 32~113°F (0~45°C) Discharge -4~140°F (-20~60°C)	
End of discharge voltage	40V	
Storage environment	≤3month -4~+95°F (-20~+35°C) Recommend environment +59~86°F (15~30°C)	
Self-discharge rate	≤3% Month ≤15% Year	
Cycle life	6000+ cycles (@ 80% DOD)	
Memory Effect	None	
Warranty	5-10 Years	
Weight	Approx. 60 lbs (27kg)	
Dimensions	Length 19 in. (490 mm) Height 0,45 ft (136 mm) Depth 20 in. (510 mm)	

APPLICATION

Solar Energy Storage	UPS	Portable Equipment	SLA/VRLA Replacement
Marine	Camping	Telecommunications	E-Mobility E-scooters, E-Carts, Golf Carts

