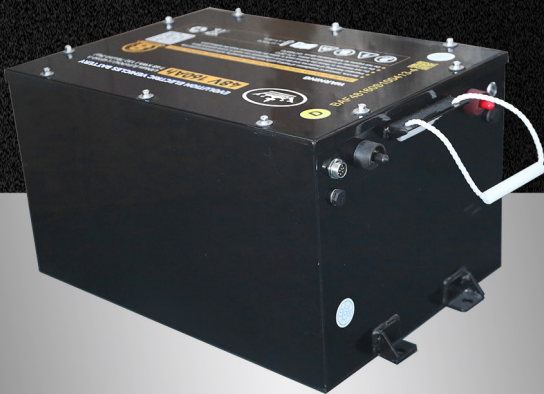




EVOLUTION LITHIUM BATTERY



**8 YEAR WARRANTY
NO MAINTENANCE
STEEL PACK**

MODEL	
Product Number	L48160-A

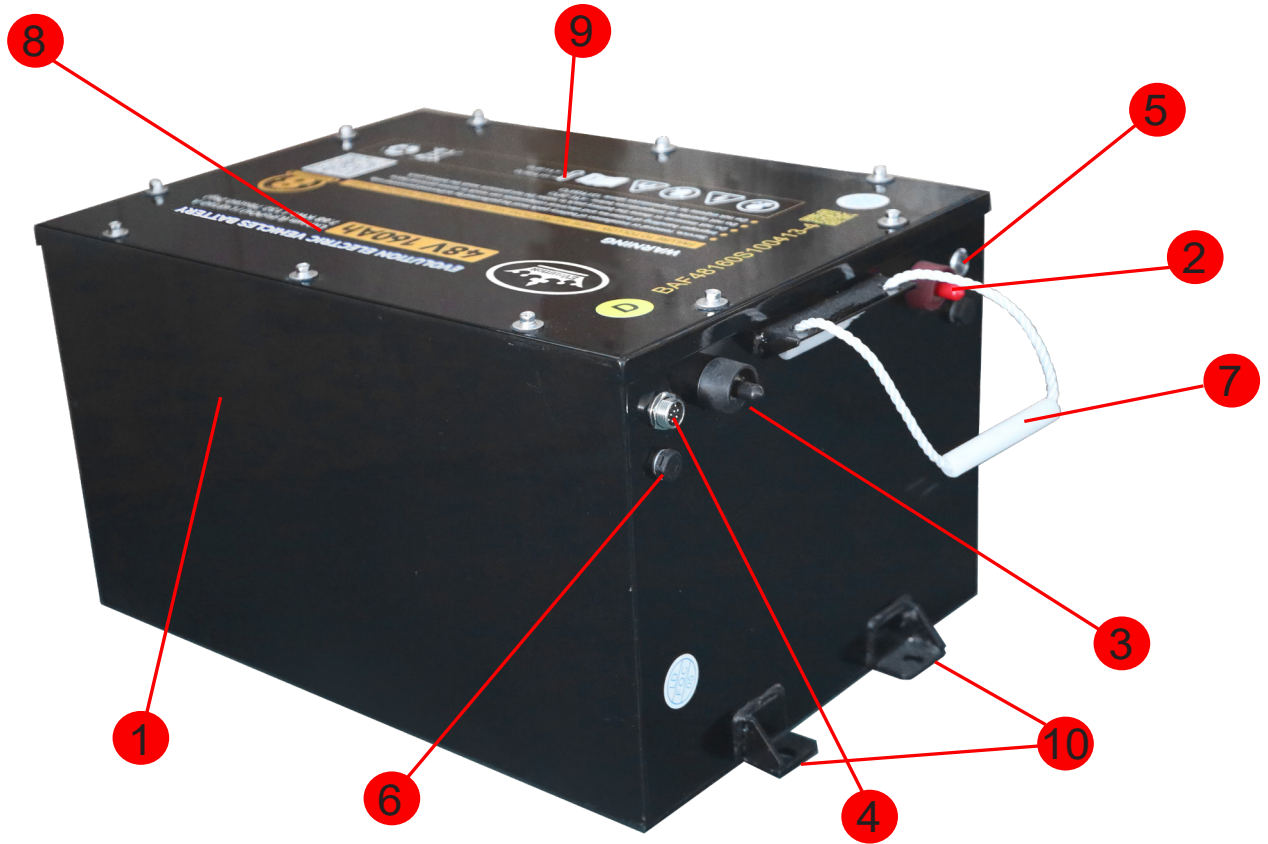
FUNCTIONAL SPECIFICATIONS	
Nominal Voltage	48V
Cell Chemistry	LiFePO4
Cell type	Prismatic
Cell nominal Voltage	3.2V
Ampere-hour Capacity	160Ah
Watt-hour Capacity	7.68kwh
Charge Efficiency	>98%
Impedance	<400 mΩ
Cycles @ 80% DOD	>3500

MECHANICAL SPECIFICATIONS	
Dimensions (L" x W" x H") (inch)	20.9"x 13.8"x 10.8"
Weight (Kg/lbs)	60.2kg/132.7 lbs
Case Material	Steel with rust-resistant coating
Insert Terminal	M8 X 1.25 - 20
Ingress Protection Marking	IP66

DISCHARGE SPECIFICATIONS	
Continuous Discharge Current	160A
Max pulse discharge current	400A (20 sec)
Max instantaneous discharge current	480A - 15 msec
Protection Recover	Automatic (30 sec)
Low Voltage Disconnect	39V
Self Discharge per Month @ 25°C	<5%

CHARGER SPECIFICATIONS	
Continuous Charge Current	≤80A
Max Charge Voltage	54.75V
Over-Voltage Recover	Automatic (≤48V)

ENVIRONMENTAL SPECIFICATIONS	
Charge Temperature	32°F to 110°F (0°C to 45°C)
Discharge Temperature	(-4°F to 140°F (-20°C to 55°C)
Storage Temperature	14°F to 95°F (-10°C to 35°C)



- 1.Lithium-ion battery W/Steel Casing.
- 2.B+ : Battery Positive Terminal
- 3.B - : Battery Negative Terminal
- 4.RS485: Connector Port for Lithium Battery Meter
- 5.SW: Inspection Light & Activating Button for BMS

- 6.Vent Valve for Lithium-ion Battery Pack
- 7.Lifting Handles for Lithium-ion Battery
- 8.Nameplate for Lithium-ion Battery
- 9.Battery Warning Label
- 10.Installation Base Bracket

