



EVOLUTION LITHIUM BATTERY



**8 YEAR WARRANTY
NO MAINTENANCE
STEEL PACK**

MODEL	
Product Number	L48105

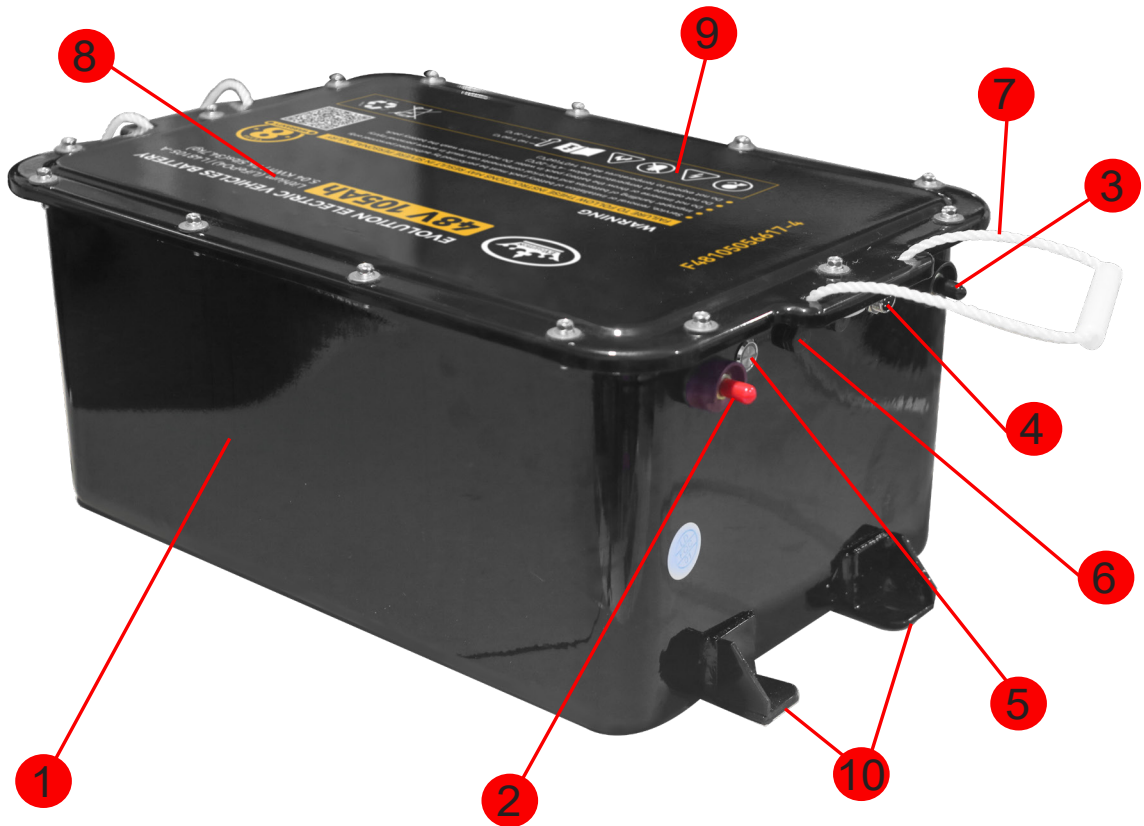
FUNCTIONAL SPECIFICATIONS	
Nominal Voltage	48V
Cell Chemistry	LiFePO4
Cell type	Prismatic
Cell nominal Voltage	3.2V
Ampere-hour Capacity	105Ah
Watt-hour Capacity	5.04kwh
Charge Efficiency	>98%
Impedance	<400 mΩ
Cycles @ 80% DOD	>3500

MECHANICAL SPECIFICATIONS	
Dimensions (L" x W" x H") (inch)	21.6"x 13.9"x 9.1"
Weight (Kg/lbs)	43.5kg/95.9lbs
Case Material	Steel with rust-resistant coating
Insert Terminal	M8 X 1.25 - 20
Ingress Protection Marking	IP66

DISCHARGE SPECIFICATIONS	
Continuous Discharge Current	105A
Max pulse discharge current	200A (20 sec)
Max instantaneous discharge current	300A-15 msec
Protection Recover	Automatic (30 sec)
Low Voltage Disconnect	40V
Self Discharge per Month @ 25°C	<5%

CHARGER SPECIFICATIONS	
Continuous Charge Current	≤70A
Max Charge Voltage	54.75V
Over-Voltage Recover	Automatic (≤51V)

ENVIRONMENTAL SPECIFICATIONS	
Charge Temperature	32°F to 131°F (0°C to 55°C)
Discharge Temperature	(-4°F to 131°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
- 10. Installation Base Bracket

