



Features

Cost Effectiveness



Remote Platform Service



Longer Service Life



Guaranteed Safety



Fast Charge



Drop-in Replacement



Technical Characteristics

NORMINAL CHARACTERISTICS

Nominal Voltage	51.2 V
Nominal Capacity	100Ah
Energy	5120Wh
IR	≤10mΩ@100%SOC
Efficiency	≥98.0%
Number of Cells in Series	16
Number of Cells in parallel	1

CHARGE & DISCHARGE CHARACTERISTICS

Voltage Window	40~58.4V
Max. Continuous Charge Current	30A
Max. Continuous Discharge Current	150A
Peak Discharge Current	300A (30s)

OPERATING CONDITIONS

Cycle Life	≥3000@25℃100%DOD)
Operating Temperature	Charge: 0~60℃ Discharge: -20~65℃
Storage Temperature	-20~45℃
Storage Duration	Less than 6 months @ 25℃
Heating Function	Optional

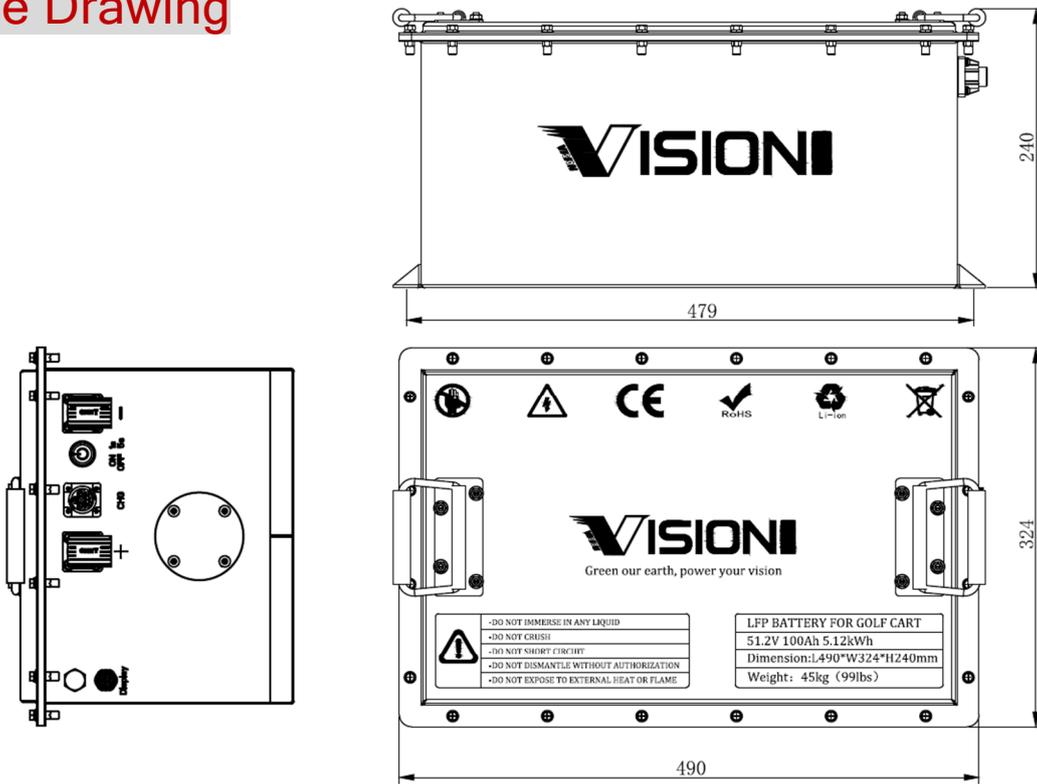
MECHANICAL CHARACTERISTICS

Case Material	SPCC
Dimension (L*W*H)	490*324*240mm
Weight	≈45±1Kg
Terminal Type	M8 (18 Nm)
IP Grade	IP66
Cell Type	Prismatic LiFePO4

BMS CHARACTERISTICS

Primary Charging Protection	Current: 40A Delay time: 120s
Secondary Charging Protection	Current: 50A Delay time: 30s
Primary Discharging Protection	Current: 200A Delaytime:120s
Secondary Discharging Protection	Current: 300A Delay time: 30s
Over-charge Voltage Protection	Voltage: 59.2V Delay time: 3s
Over-discharge Voltage Protection	Voltage: 40V Delay time: 3s
Temperature Protection	Charge: 60℃ Discharge: 65℃
Remote Platform Service	Optional

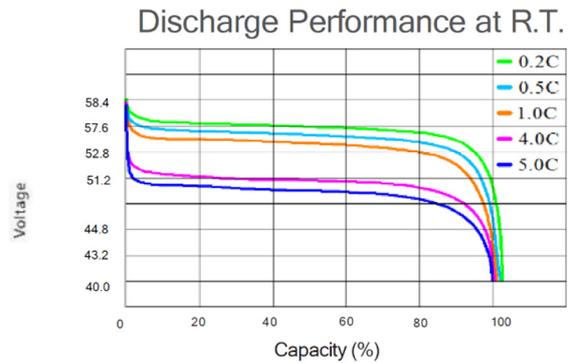
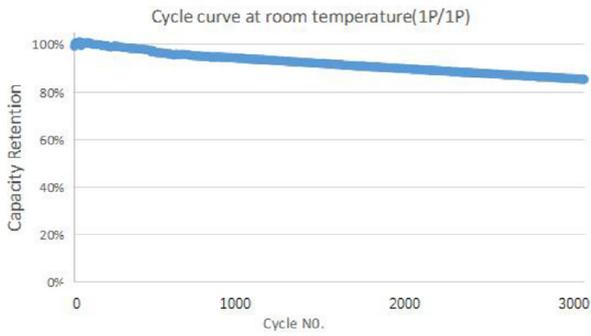
Outside Drawing



Constant Discharge Data (@25°C)

Constant discharge current	100A	50A	33.3A	20A	10A
Available discharge time	1h	2h	3h	5h	10h

Battery Performance Curve



Battery Capacity (C) Vs. Open Circuit Voltage (OCV)
SOC Vs OCV



Temperature Effects on Capacity

