

LiFePO4 BATTERY FOR EV CARTS

DROP-IN REPLACEMENTS FOR LEAD-ACID BATTERIES - VPL48100



LOW SELF-DISCHARGE

Holds charge over 8 months



ULTRA SAFE

Multiple protection thermal and chemical stability



LONG LIFE

Up to 3,50% life cycles



LIGHT WEIGHT

Up to 50% saving in space and 70% saving in weight



FAST CHARGING

Up to 2 hours fast charging time



ZERO MAINTENANCE

No daily maintenance work and costs



COST EFFECTIVE

Up to 70% saving in expenditures



EXTREME TEMP PERFORMANCE

Discharge rate up to 85% at 4°f (-20 C)

Electrical

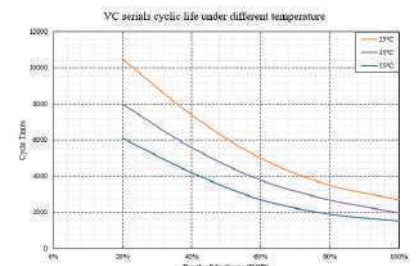
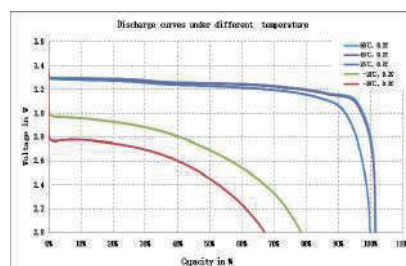
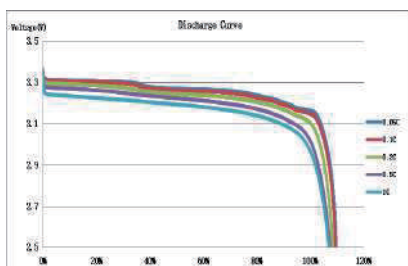
Nominal Voltage/V	51.2
Nominal Capacity/Ah	100
Rated Energy/Wh	5120
BMS Function	Overcharge, overdischarge, overcurrent and temperature protection
Recommended Charge Voltage/V	57.6-58.4
Discharge Cut-off Voltage/V	44.8
Standard Charge Current/A	40
Max. Charge Current/A	100
Continuous Discharge Current/A	100
Max. Discharge Current/A@120S	280
Peak Discharge Current/A@3S	350
Maximum Time Between Charges	3 months
Monitoring	CAN/RS485
Cell certification	UL 1642
Pack certification	UN 38.3

Mechanical

Dimension(L*W*H)/ mm	460*326*250
Weight/kg	Approx.45
Terminal	M8
Casing material	SPCC

Environment

Working Temperature Range/°C	Charge : 0~55 Discharge: -20~60
Humidity Range/RH	<95%
Storage temperature/°C	15~35
IP protection level	IP65



LiFePO4 BATTERY FOR EV CARTS

DROP-IN REPLACEMENTS FOR LEAD-ACID BATTERIES - VPL72100



LOW SELF-DISCHARGE

Holds charge over 8 months



ULTRA SAFE

Multiple protection thermal and chemical stability



LONG LIFE

Up to 3,500 life cycles



LIGHT WEIGHT

Up to 50% saving in space and 70% saving in weight



FAST CHARGING

Up to 2 hours fast charging time



ZERO MAINTENANCE

No daily maintenance work and costs



COST EFFECTIVE

Up to 70% saving in expenditures



EXTREME TEMP PERFORMANCE

Discharge rate up to 85% at -4°f (-20 C)

Electrical

Nominal Voltage/V	76.8
Nominal Capacity/Ah	100
Rated Energy/Wh	7680
BMS Function	Overcharge, overdischarge, overcurrent and temperature protection
Recommended Charge Voltage/V	86.4 - 87.6
Discharge Cut-off Voltage/V	67.2
Standard Charge Current/A	40
Max. Charge Current/A	100
Continuous Discharge Current/A	100
Max. Discharge Current/A@120S	280
Peak Discharge Current/A@3S	400
Maximum Time Between Charges	3 months
Monitoring	CAN/RS485
Cell certification	UL 1642
Pack certification	UN 38.3

Mechanical

Dimension(L*W*H)/ mm	805*326*254
Weight/kg	Approx.68
Terminal	M8
Casing material	SPCC

Environment

Working Temperature Range/°C	Charge : 0~55 Discharge: -20~60
Humidity Range/RH	<95%
Storage temperature/°C	15~35
IP protection level	IP65

