

# Lithium Battery -Forklift Series

## FP48-105



### Features Of LiFePO4 Battery

- Long cycle life;
- High integration, small size, high energy density;
- Intelligent management of product usage status with high security;
- Environmental protection;
- Capable of 1C fast charging;

### Application scenarios

- Forklift;
- Lead-acid battery to lithium battery vehicles;
- Industrial control products;
- Rescue vehicles such as scissor forklifts;

### Specification

Nominal Voltage	51.2V
Working Voltage	40-58.4V
Nominal Capacity	105Ah
Energy	5376Wh
Self Discharge	≤3% Per Month
IP Grade	IP65
Positive material	Lithium ironphosphate
Cell type	Prismatic
Combination method	105Ah,1P16S
Weight	ABOUT 50.0KG
Dimension LxWxH	L585*W328*H234mm
Fixed size	L563*W122mm
Terminal Type	FSP200180CW/CZ-UM8B2D
Shell type	Powder Coated Steel
Handle	YES
Storage Temp. short term	/
Storage Temp. long term	0~30 °C
Cycle Life	5000 cycles
Heating function	No
Cooling type	No
Insulation	20MΩ/1000VDC, @25±5 °C, RH50%
Certification(Program)	UN38.3



### Charging

Charging Freeze Protection	<0 °C
Recom. Charging Current	50A
Upper limit voltage	58.4V
Charging Temp. Range	0~55 °C

### DisCharging

Max Continuous Discharge	100A
Max Discharge current	150A@1S
Lower limit voltage	40.0V
BMS Voltage Recovery	44.8V
Discharge Temp. Range	-20-60 °C

### Function (optional)

(CAN/RS485), Bluetooth, 4G, Screen, Charger

### Physical Dimension-mm

