



SMART RACK SERIES

LITHIUM BATTERY



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FUSION
LITHIUM BATTERY

Toll free number : 1800 270 4447

TECHNICAL SPECIFICATIONS

Brand	VACUNA	VACUNA	VACUNA	VACUNA
Battery Model	51.2V100Ah	51.2V400Ah	60V100Ah	120V100Ah
Nominal Voltage	51.2V	51.2V	60V	120V
Nominal Capacity	100Ah	100Ah	100Ah	400Ah
Energy	5120Wh	20480Wh	6000Wh	12000Wh
Battery KWH	5.12	20.48	6.0	12.0
Chemistry	LiFePO4 (LFP)	LiFePO4 (LFP)	LiFePO4 (LFP)	LiFePO4 (LFP)
Cycle Life	>4000 Cycles @ 80% DOD	>4000 Cycles @ 80% DOD	4000 Cycles @ 80% DOD	>4000 Cycles @ 80% DOD
Operating Voltage (V)	48 ~58V ±1.0V	48 ~58V ±1.0V	57 ~68V ±1.0V	114 ~135V ±1.0V
Max Continuous Discharge	100A	400A	100A	100A
Protection Rating	Ip54	Ip54	Ip54	Ip54
Charge (A)	0.5C	0.5C	0.5C	0.5C
Discharge (A)	0.8C	0.8C	0.8C	0.8C
Operating Temperature	5°C ~ + 60°C	5°C ~ + 60°C	5°C ~ + 60°C	5°C ~ + 60°C
Storage Temperature	0°C ~ + 35°C	0°C ~ + 35°C	0°C ~ + 35°C	0°C ~ + 35°C
Communication	BT/CAN/RS485	BT/CAN/RS485	BT/CAN/RS485	BT/CAN/RS485



Key Features

- High-performance LiFePO4 Chemistry
- High Cycle Life (>4000 Cycles)
- Fast Charging Compatible
- Zero Maintenance Battery
- Short-Circuit & Overcurrent Output



SMART MONITORING



COMPACT SOLUTION



ENERGY OPTIMIZATION