

EK30 B3 5.0kWh Low Voltage Battery



The B3-5.0-LV is a type of deep cycleand high capacity LFP battery with improved safety, long lifespan, andoptimized user experience. With up to 5 kWh for a single unit and max. 80 kWh inparallel with superior performance, it can meet the household electricity demand.



- ☐ Maximum capacity of 80 kWh in parallel
- ☐ Real-time monitoring & remote upgrade available
- ☐ Support wall-mounted or floor-standing installations
- ☐ Pulg and play with SAJ storage inverters

EK30 B3-5.0-LV

Battery Models	EK30 B3-5.0-LV
System Data	
Battery Type	LiFePO4
Rated Capacity	50Ah
Total Energy Capacity	5kWh
Usable Energy	4.5kWh
Rated Voltage	51.2V
Voltage Range	44.8V-57.6V
Rated Charging Current	50A
Max. Charging Continuous Current	50A
Rated Discharging Current	100A
Max. Discharging Continuous Current	100A
Peak.Discharging Current	150A,10S
Max. Charge / Discharge Power	2.5kW/5kW
Communication	CAN
Recommended Depth of Discharge (DOD)	90%
Max. Parallel Quantity	Max. 16 Sets In Parallel ,80kWh
Protection	
Overvoltage and Undervoltage Protection	Integrated
Over Current Protection	Integrated
Overtemperature and Undertemperature Protection	Integrated
General	
Dimensions [W*H*D] [mm]	523.8*489*151.2
Weight	47kg
Installation Environment	0°C~55°C
Charging Temperature	Indoor
Discharging Temperature	-20°C~55°C
Protection Level	IP20
Cooling	Natural Cooling
Altitude	< 2000 m
Cycle Life(25°C, 0.2C)	≥6000 Cycles,70%DOD
Certification	IEC 62619, IEC62040, IEC61000, UN38.3
Warranty	5 Years