

EK60 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
- ☐ Built-in fire protection module with LFP improved safety design
- ☐ Support wall-mounted or floor-standing installations
- ☐ Pulg and play with SAJ storage inverters

EK60 B3-5.0-LV
EK60 B3-5.0-LV-Plus | EK60 B3-5.0-LV-Pro

Battery Models	EK30 B3-5.0-LV		EK30 B3-5.0-LV-Plus		EK30 B3-5.0-LV-Pro	
System Data						
Battery Type	LiFePO4					
Rated Capacity	100Ah					
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					
DC Breaker	Integrated					
General						
Dimensions [W*H*D] [mm]	468*511*141.2					
Weight	43kg					
Installation Environment	Indoor/Outdoor					
Built-in Battery Fire Suppression Module	N/A		Include			
Battery Heating Module	N/A			Include		
Charging Temperature	0℃-55℃			-20℃-55℃		
Discharging Temperature	-20℃-55℃					
Protection Level	IP65					
Cooling	Natural Cooling					
Altitude	< 2000 m					
Cycle Life(25℃, 0.5C)	≥6000 Cycles,90%DOD					
Certification	IEC 62619, IEC62040, IEC61000, UN38.3					
Warranty	10 Years					