

EK30 B3 16kWh Low Voltage Battery

The EK30 B3-16-LV-NEO is a type of deep cycle and high capacity LFP battery with improved safety, long lifespan, and optimized user experience. With up to 16 kWh for a single unit and max. 256 kWh in parallel with superior performance, it can meet the household electricity demand.



- ❑ Maximum capacity of 256 kWh in parallel
- ❑ Real-time monitoring & Remote upgrade available
- ❑ Built-in fire protection module with LFP improved safety design
- ❑ Plug and play with SAJ storage inverters
- ❑ High usable capacity, 95% recommended DOD

EK30 B3-16.0-LV-NEO

Battery Models	EK30 B3-16.0-LV-NEO
System Data	
Battery Type	LiFePO4
Rated Capacity [Ah]	314
Rated Energy [kWh]	16
Usable Energy [kWh]	15.2
Rated Voltage [V]	51.2
Voltage Range [V]	44.8-57.6
Rated Charging Current [A]	157
Max. Charging Continuous Current [A]	157
Rated Discharging Current [A]	157
Max. Discharging Continuous Current [A]	200
Peak Discharging Current	300A,10S
Max. Charge / Discharge Power	8kW/10kW
Communication	CAN
Recommended Depth of Discharge (DOD)	95%
Max. Parallel Quantity	Max. 16 Sets In Parallel , 256 kWh
Protection	
Overvoltage and Undervoltage Protection	Integrated
Over Current Protection	Integrated
Overtemperature and Undertemperature Protection	Integrated
DC Breaker	Integrated
General	
Dimensions [W*H*D][mm]	790*430*224
Weight [kg]	110
Installation Environment	Indoor
Charging Temperature[°C]	0~55
Discharging Temperature [°C]	-20~55
Protection Level	IP20
Cooling	Natural Cooling
Altitude [m]	< 2000
Cycle Life(25°C,0.2C)	≥8000 Cycles,90%DOD
Certification	IEC 62619, IEC62040, IEC61000, UN38.3
Warranty [Years]	5/10