

EK30 B3 16kWh Low Voltage Battery



The EK30 B3-16LV is a type of deep cycle and high capacity LFP battery with improved safety, long lifespan, and optimized user experience. It is especially designed with IP20 for more flexible and easier installation indoor or outdoor with landed installation options. With up to 16 kWh for a single unit and max. 256 kWh inparallel with superior performance, it can meet the household electricity demand.



- ☐ Maximum capacity of 256 kWh in parallel
- ☐ Real-time monitoring & Remote upgrade available
- ☐ IP65 support indoor and outdoor installation
- ☐ 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]	430*790*224
Weight [kg]	112
Installation Environment	Outdoor / 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