

## High-voltage Stacked Battery

High voltage LFP battery pack (10KWh-30KWh)

Compatible with multiple brands of hybrid solar inverters,

Suitable for home storage. Battery pack stacking design, easy to install

Installation and scheduling can meet different energy storage needs.





Supports up to 5 units in parallel



High security, using A-grade battery cells



Flexible application, supporting 2-6 layers of stacking



Compatible with multiple PCS brands



## **Technical Indicator**

Nominal Battery Energy			Product Peri	formance		
Nominal Capacity	Battery type	LFP				
Nominal Voltage	Nominal Battery Energy	10.24KWh	15.36KWh	20.48KWh	25.6KWh	30.72KWh
Departing Voltage Range	Nominal Capacity	50Ah	50Ah	50Ah	50Ah	50Ah
Module Number         2         3         4         5         6           Standard Charging Current         26A @ 25°C         100A @ 25°C           Max. Constant Charging Current         26A @ 25°C         25°C           Max. Discharging Current         26A @ 25°C           Mex. Discharging Current         100A @ 25°C           Depth of Discharge(DOD)         80%           Design Life         6000 times @80%DOD , 25°C, 0.5C           Warranty         5 years           Protection         Over-temperature, over-charge, under-vollage, over-current, short circuit atarm Function           Communication         CANRS485           General Specification         Communication           Dimensions (L*W*Himm)         750*231*806         750*231*1056         750*231*1306         750*231*1086           Weight         Approx.148kg         Approx.201kg         Approx.256kg         Approx.366kg         Approx.366kg           Short Term Storage Ambient         -20*-35°C(<3 months, 20%-60%SOC)	Nominal Voltage	204.8V	307.2V	409.6V	512.0V	614.4V
Standard Charging Current   26A @ 25°C	Operating Voltage Range	182V-230V	273V-345V	364V-460.8V	456V-576V	547V-691V
Max. Constant Charging Current   100A @ 25°C	Module Number	2	3	4	5	6
Standard Discharging Current   26A @ 25°C	Standard Charging Current	26A @ 25°C				
Max Discharging Current         100A @ 25°C           Depth of Discharge(DOD)         80%           Design Life         60000 times @80%DOD , 25°C , 0.5°C           Warranty         5 years           Protection         Over-temperature, over-charge, under-voltage, over-current, short circuit alarm Function           Communication         CAN/RS485           General Specification         Dimensions (L*W*Himm)         750*231*806         750*231*1056         750*231*1306         750*231*1556         750*231*1806           Weight         Approx.148kg         Approx.201kg         Approx.258kg         Approx.358kg           Shipping Status SOC         20%~30%         Approx.306kg         Approx.358kg           Charging Temperature         0~+50°C         O           Discharging Temperature         -20°~436°C(<3 months, 20%~60%SOC)           Temperature         -20~+35°C(<3 months, 20%~60%SOC)           Temperature         -20 ~+30°C(<1 year, 30%~60% SOC)           Max Operating Altitude         4,000m(Derating above 2,000m)           Relative Humidity         5%-95%           Cooling         Air cooling	Max. Constant Charging Curre nt	100A @ 25°C				
Depth of Discharge(DOD)   80%	Standard Discharging Current	26A @ 25°C				
Design Life 6000 times @80%DOD , 25°C , 0.5°C  Warranty 5 years  Protection Over-temperature, over-charge, under-voltage, over-current, short circuit alarm Function  Communication CAN/RS485  General Specification  Dimensions (L*W*Hmm) 750*231*806 750*231*1056 750*231*1036 750*231*1556 750*231*1566 750*231*1806  Weight Approx.149kg Approx.201kg Approx.205kg Approx.306kg Approx.358kg  Shipping Status SOC 20%-30%  Charging Temperature -20°C-+55°C  Short Term Storage Ambient  Temperature Long Term Storage Ambient  Temperature 4,000m(Derating above 2,000m)  Relative Humidity 5%-95%  Cooling Air cooling	Max. Discharging Current	100A @ 25°C				
Syears	Depth of Discharge(DOD)	80%				
Protection Over-temperature, over-charge, under-voltage, over-current, short circuit alarm Function  Communication CANRS485  General Specification  Dimensions (L*W*Hmm) 750*231*806 750*231*1056 750*231*1306 750*231*1556 750*231*1806 Weight Approx:149kg Approx:201kg Approx:255kg Approx:306kg Approx:358kg  Shipping Status SOC 20%~30%  Charging Temperature  Discharging Temperature  Short Term Storage Ambient Temperature  Long Term Storage Ambient Temperature  Max Operating Altitude 4,000m(Derating above 2,000m)  Relative Humidity 5%-95%  Cooling Air cooling	Design Life	6000 times @80%DOD , 25°C , 0.5C				
Communication         CAN/RS485           General Specification         Jimensions (L*W*Hmm)         750*231*806         750*231*1056         750*231*1306         750*231*1556         750*231*1806           Weight         Approx:149kg         Approx:201kg         Approx:255kg         Approx:306kg         Approx:358kg           Shipping Status SOC         20%~30%         20%~30%         Charging Temperature         -20°C~+55°C           Discharging Temperature         -20°C~+55°C         Short Term Storage Ambient         -20°C(<3 months, 20%~60%SOC)	Warranty	5 years				
Cameral Specification	Protection	Over-temp	perature, over-charg	ge, under-voltage, over-	current, short circuit a	larm Function
Dimensions (L*W*Hmm)   750*231*806   750*231*1056   750*231*1306   750*231*1556   750*231*1806     Weight	Communication	CAN/RS485				
Weight Approx:149kg Approx:201kg Approx:255kg Approx:306kg Approx:358kg  Shipping Status SOC  Charging Temperature  O-+50°C  Discharging Temperature  Short Term Storage Ambient Temperature  Long Term Storage Ambient Temperature  Long Term Storage Ambient Temperature  Max. Operating Altitude  4,000m(Derating above 2,000m)  Relative Humidity  Approx:358kg  Approx:306kg Approx:358kg  Approx:358kg  Approx:306kg Approx:306kg Approx:358kg  Approx:358kg  Approx:306kg Approx:306kg Approx:358kg  Approx:358kg  Approx:306kg Approx:358kg  Approx:358kg  Approx:306kg Approx:306kg Approx:358kg  Approx:358kg  Approx:306kg Approx:358kg  Approx:358kg  Approx:306kg Approx:306kg Approx:358kg  Approx:306kg Approx:306kg Approx:306kg Approx:358kg  Approx:306kg Approx:306kg Approx:306kg Approx:358kg  Approx:306kg Approx:306kg Approx:306kg Approx:306kg Approx:358kg  Approx:306kg Approx:306kg Approx:306kg Approx:306kg Approx:306kg Approx:358kg  Approx:306kg Approx:3	General Specification					
Shipping Status SOC  Charging Temperature  O~+50°C  Discharging Temperature  -20°C~+55°C  Short Term Storage Ambient  -20~+35°C(<3 months, 20%~60%SOC)  Temperature  Long Term Storage Ambient  Temperature  Max. Operating Altitude  4,000m(Derating above 2,000m)  Relative Humidity  Shipping Status SOC  20%~30%  Air cooling	Dimensions (L*W*Hmm)	750*231*806	750*231*1056	750*231*1306	750*231*1556	750*231*1806
Charging Temperature  Discharging Temperature  Short Term Storage Ambient Temperature  Long Term Storage Ambient Temperature  Long Term Storage Ambient Temperature  Max. Operating Altitude  4,000m(Derating above 2,000m)  Relative Humidity  5%-95%  Cooling  Air cooling	Weight	Approx:149kg	Approx:201kg	Approx:255kg	Approx:306kg	Approx:358kg
Discharging Temperature  Short Term Storage Ambient Temperature  Long Term Storage Ambient Temperature  Long Term Storage Ambient Temperature  Max. Operating Altitude  4,000m(Derating above 2,000m)  Relative Humidity  5%-95%  Cooling  Air cooling	Shipping Status SOC	20%~30%				
Short Term Storage Ambient  -20~+35°C(<3 months, 20%~60%SOC)  Temperature  Long Term Storage Ambient  -20 ~+30°C(<1 year, 30%~60% SOC)  Temperature  Max. Operating Altitude  4,000m(Derating above 2,000m)  Relative Humidity  5%-95%  Cooling  Air cooling	Charging Temperature	0~+50°C				
Temperature  Long Term Storage Ambient Temperature  -20 ~+30°C(<1 year, 30%~60% SOC)  Temperature  Max. Operating Altitude  4,000m(Derating above 2,000m)  Relative Humidity  5%-95%  Cooling  Air cooling	Discharging Temperature	-20℃~+55℃				
Temperature  Long Term Storage Ambient  -20 ~+30°C(<1 year, 30%~60% SOC)  Temperature  Max. Operating Altitude 4,000m(Derating above 2,000m)  Relative Humidity 5%-95%  Cooling Air cooling	Short Term Storage Ambient					
Temperature  -20 ~+30°C(<1 year, 30%~60% SOC)  Max. Operating Altitude 4,000m(Derating above 2,000m)  Relative Humidity 5%-95%  Cooling Air cooling	Temperature	-2U~+35°C(<3 months, 2U%~6U%SOC)				
Temperature  Max. Operating Altitude 4,000m(Derating above 2,000m)  Relative Humidity 5%-95%  Cooling Air cooling	Long Term Storage Ambient					
Relative Humidity 5%-95%  Cooling Air cooling	Temperature	-20 ~+30°C(<1 year, 30%~60% SOC)				
Cooling Air cooling	Max. Operating Altitude	4,000m(Derating above 2,000m)				
	Relative Humidity	5%-95%				
Certification TUV/CE/IEC62619/UN38.3		Air cooling				
	Cooling			All Cooling		