

Lithium-LiFePO4 Battery Specification

FULL-215KWH-100KW-130KW mppt





Features:

Extremely Safe & reliable

Comprehensive Safety Design: chemical safety, machinery safety, HV safety, Functional safety.

Fully certified, Compliant with IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105, IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2, VDE4105, IEC61727/62116, CE C10/C11 VDE0126, AS4777.2, CEI 0 2

Top Quality & Long Lifespan

Outstanding lifespan >8500cycles

Excellent 12 years Battery warranty

Intelligent Management

CSC module BMS- SBMU(Slave Battery Management Unit)-MBMU((Master Battery Management Unit). OV/UV/OC Prevention OT/UT Detection Fault Diagnostics Error Handling, SOC SOH SOP Estimation Voltage Measurement Current Measurement Temperature Measurement
Active Balancing Passive Balancing, Air cooling solution

All in one design

Highly integrated and modular

design Easy to install & maintainable

Whole machine transportation, reduces installation & maintenance costs by 80%





2. Product parameters

NO	Projects	Specification	Remark
Cell unit			
1	Battery types and materials	LiFePO4	
2	Rated voltage/capacity	3.2v 280Ah	
3	Single battery voltage range	2.5V~3.65V	
4	Single battery weight	5Kg	
5	Battery internal resistance	≤ 0.6mΩ	
6	Battery Cell Size	173*74*113mm (L*W*H)	
Battery Module			
1	Rated voltage	64V	20S
2	Rated capacity	280Ah	
3	Battery pack voltage range	50V~73V	
4	Total Energy	17.92kWh	
5	Combination	1P20S	
6	Operating temperature	-20 ~ 45°C	
7	Standard charging current	140A	
8	Standard discharge current	140A	
9	Battery Module size	440 x 866 x 225mm	
10	Installation Method	Rack mounted	
11	Communication	RS485/CAN/Ethernet	TCP/IP/MODBUS
Battery Cluster			

1	Battery Voltage	384V	120S
2.	Battery Capacity	560AH	2P
3	Battery Energy	215.04KWH	
4	Battery module quantity	12pcs	
Hybrid Inverter			
1	Rated Output Power	100KW	50KW * 2
2	AC Voltage	220/380Vac 230/400Vac	Grid (3Phase)
3	AC Frequency	50HZ / 60HZ	Auto sensing
4	AC Current	145A	72.5A * 2
5	Output THDI	<3%	
6	AC PF	-1 ~ +1	
7	Grid Connection Form	3L+N+PE	
8	Max PV Input Power	130KW	65KW*2
9	Max PV Input Voltage	1000Vdc	
10	PV Start-up Voltage	180Vdc	
11	MPPT Voltage Range	150-850Vdc	
12	No.of MPP Trackers / No.of String Per MPP Tracker	(4/2+2+2+2) * 2	
Physical			
1	A/C	Cooling 3KW Heating 2KW	
2	Fire fighting Capacity	160g /1.6m ³	
3	Enclosure	IP65	
4	Size	2100*1600*2200mm	

5	Weight	~3057kg	
6	System efficiency	98.50%	
7	Noise Level	<65dB	
8	Altitude	3000m	
9	Humidity Range	0-100%	

Application:

