

Low Voltage Stackable Battery

CRCxST (5 ~ 20kWh)

Features

Excellent Power Performance

- High performance LFP battery cells
- 5kWh single battery pack, scalable upto 20kWh
- Wireless modular design for super easy installation

Smart Management

- RS485/CAN communication with inverter for remote management
- Direct connection to internet for remote upgrade and maintanance

Environmental Adaptive

- IP65 protection for indoor and outdoor
- Operating temperature -20℃ ~ 50℃
- Ultra-thin 165mm thickness saving space

Reliable BMS

- Robust Battery Management System ensures stable and long term operation
- Comprehensive safety mechnism built-in

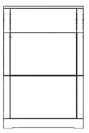
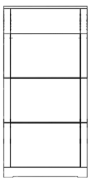
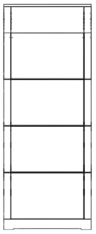
Quallity Guarrenteed

- 10 Year Warranty (10 year optional)

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PRODUCT DATASHEET (5 ~ 20kWh)

Battery System

SYSTEM MODEL	CRC1ST-5kWh	CRC2ST-10kWh	CRC3ST-15kWh	CRC4ST-20kWh
Stacking Method				
Scalability	1	2	3	4
Nominal Capacity	5.12 kWh	10.24 kWh	15.36 kWh	20.48 kWh
Nominal Voltage (Vdc)	51.2 Vdc			
Operating Voltage Range (Vdc)	40 ~ 58.4Vdc			
Max. Charge/Discharge Current	100A / 120A	200A / 240A		
Max. Charge/Discharge Power	5,000W / 6,000W	10,000W / 12,000W		
Dimensions (W) x (D) x (H)mm	730 x 165 x 630	730 x 165 x 1050	730 x 165 x 1460	730 x 165 x 1870
System Weight	54.5 kg	102.5 kg	150.5 kg	195.5 kg
Communication Method	RS485/CAN			
Ingress Protection	IP53 (IP65 Optional)			
Storage Ambient Temperature	Short Term: -20℃~60℃, Long Term: 40%SOC @ 0℃~25℃			
Opreating Ambient Temperature	-10° C ~ 50° C			
Opreating Ambient Humidity	5% - 95% (No Condensation)			
Operating Altitude	＜ 2,000m			
Certification	IEC62619 / UN38.3 / CE-EMC / IEC60730-1			
Warranty	10 Years			

Battery Module

Battery Type	LFP
Rated Capacity	5.12kWh
Rated Voltage	51.2Vdc
Operating Voltage Range	40 ~ 58.4Vdc
Max. Charge/Discharge Current	100A / 120A
Life Cycle	≥ 6000 Cycles @ 25℃ 0.5C Charging/1C Discharging with 70%EOL
Dimension (W) x (D) x (H)	730 x 165 x 478
Weight	48 kg
Warranty	5 Years (10 Years optional)