

SPECIFICATION SHEET

RACKPRO ESS 5KWH 10KWH

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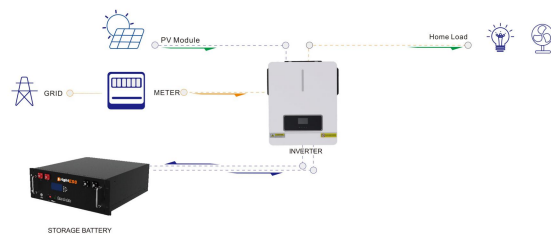
PRODUCT PRESENTATION

Home ESS refers to the storage of electricity locally by household energy storage equipment for later use. ESS consists of energy storage batteries, inverters and other components. We use brand new A-grade LiFePo4 battery, equipped with an intelligent battery management system for charging and discharging cycles. The inverter converts DC energy to AC energy to meet the requirements for household electricity. Normally this product is installed in combination with PV system to provide green electricity to household users, reduce energy consumption, and reduce negative impacts on the environment. It's widely used in remote areas or areas with unstable power supply, to provide reliable, stable, and cost-effective energy supply.



WORKING DIAGRAM

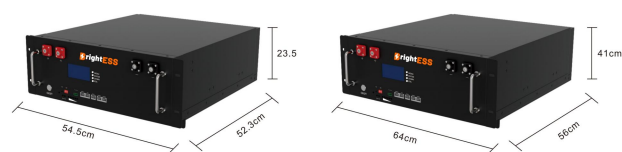
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PRODUCT FEATURES

- Original Patent design
- Multi-protection from self developed BMS
- Brand new battery for 6000 times cycle life

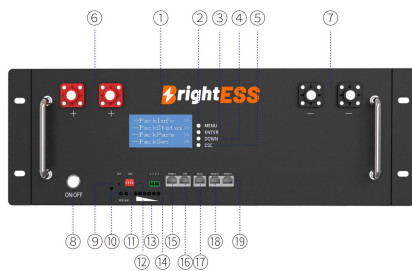
PRODUCT DIMENSION



OPERATION FUNCTION

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Battery Interface



No.	Instruction	No.	Instruction
①	LCD Screen	⑩	Alarm Indicator
②	MENU	⑫	Dip Switch
③	ENTER	⑬	Charging Indicator
④	DOWN	⑭	Dry Contacts
⑤	ESC	⑮	RS485-A Communication Port
⑥	Positive	⑯	CAN Communication Port
⑦	Negative	⑰	RS232 Communication Port
⑧	ON/OFF	⑱	RS485-B Communication Port
⑨	Reset Button	⑲	RS485-B Communication Port
⑩	Operation Indicator		

PRODUCT PARAMETER

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Battery

Model	SCRA-R-51.2-100	SCRA-R-51.2-200
Rated Capacity	5120Wh (100Ah)	10240Wh (200Ah)
Nominal Voltage	51.2V	
Discharge Voltage Range	43.2V-58.4V	
Standard Charging Current	50A	
Max Charging Current	100A	
Max Discharging Current	100A	
Depth of Discharge	95%	
Communication Interface	CAN/RS485	
Cycle Life	>6000, 25±2°C, 0.5C, EOL80%	
Working Temperature Range	Charge: 0°C -50°C; Discharge: -10°C -60°C	
Storage Temperature	-10°C -60°C	
Dimension	49.2*45*18cm	56*48*22.5cm

PACKING DETAILS



Storage Battery*1



Screw Pack*1



1m 6AWG Silicon Bronze Cable*2



1m Communication Cable

Item No	Components	CNT	Carton Size	N.W (kg)	G.W (kg)	Unit CBM (m³)
SCRA-R-51.2-100	Battery;Screw Pack;AC Cable;Communication Cable	1	54.5*52.3*23.5	41	43	0.067
SCRA-R-51.2-200	Battery;Screw Pack;AC Cable;Communication Cable	1	64*56*41	81	93	0.147