

SPECIFICATION SHEET

WALLMATE ESS 5KWH 10KWH

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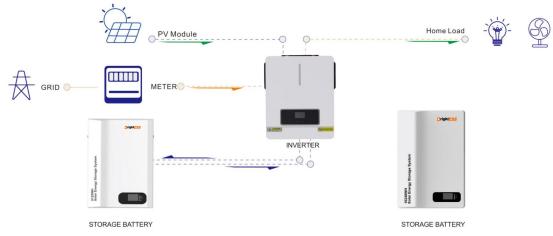
PRODUCT PRESENTATION

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
- Brand new battery for 6000 times cycle life

- Multi-protection from self developed BMS

PRODUCT DIMENSION

W:18.5cm

W:27.5cm



OPERATION FUNCTION

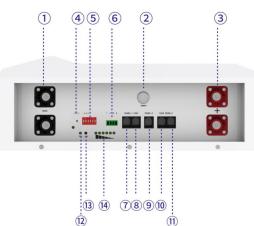
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Battery LCD Screen



No.	Instruction
①	LCD Screen
②	MENU
③	ENTER
④	DOWN
⑤	ESC

Battery Interface



No.	Instruction
①	Negative
②	ON/OFF
③	Positive
④	Reset Button
⑤	Dip Switch
⑥	Dry Contacts
⑦	RS485-1 Communication Port
⑧	CAN1 Communication Port
⑨	RS485-2 Communication Port
⑩	CAN2 Communication Port
⑪	RS485-2 Communication Port
⑫	Operation Indicator
⑬	Alarm Indicator
⑭	Charging Indicator

PRODUCT PARAMETER

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Model	SCAE-A-51.2-100	SCAE-A-51.2-200
Rated Capacity	5120Wh(100Ah)	10340Wh(200Ah)
Nominal Voltage	51.2V	51.2V
Discharge Voltage Range	43.2V-58.4V	43.2V-58.4V
Standard Charging Current	50A	50A
Max Charging Current	100A	100A
Max Discharging Current	100A	100A
Depth of Discharge	95%	95%
Communication Interface	CAN/RS485	CAN/RS485
Cycle Life	≥6000, 25±2°C, 0.5C, EOL80%	≥6000, 25±2°C, 0.5C, EOL80%
Working Temperature Range	Charge: 0°C-50°C; Discharge: -10°C-60°C	Charge: 0°C-50°C; Discharge: -10°C-60°C
Storage Temperature	-10°C-60°C	-10°C-60°C
Dimension	40.5*18.5*58cm	43.5*28*65cm

PACKING DETAILS



Item No	Components	CNT	Carton Size	N.W (kg)	G.W (kg)	Unit CBM (m³)
SCAE-A-51.2-100	Battery Back Bracket;Screw Pack; AC Cable;Communication Cable	1	65*45*24CM	46.8	49.3	0.068
SCAE-A-51.2-200	Battery Back Bracket;Screw Pack; AC Cable;Communication Cable	1	70*50.5*45CM	86.7	101.3	0.159