

# SPECIFICATION SHEET

## WALLMATE ESS 5KWH 10KWH

1

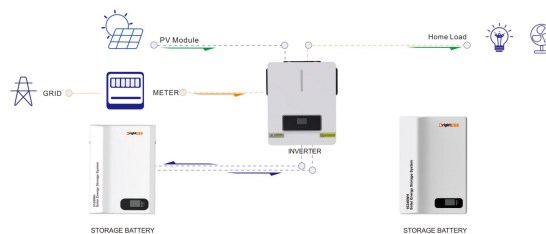
### PRODUCT PRESENTATION

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

2



### PRODUCT FEATURES

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

### PRODUCT DIMENSION

W:18.5CM

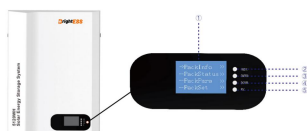
W:27.5cm



## OPERATION FUNCTION

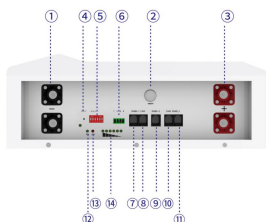
3

### 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

4

Battery	Model	SCAE-A-51.2-100	SCAE-A-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	40.5*18.5*58cm	43.5*28*58cm

## PACKING DETAILS



Storage Battery\*1



Back Bracket\*1



Screw Pack\*1



1.25m 6AWG Silicon Bronze Cable\*2



1m Communication Cable

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