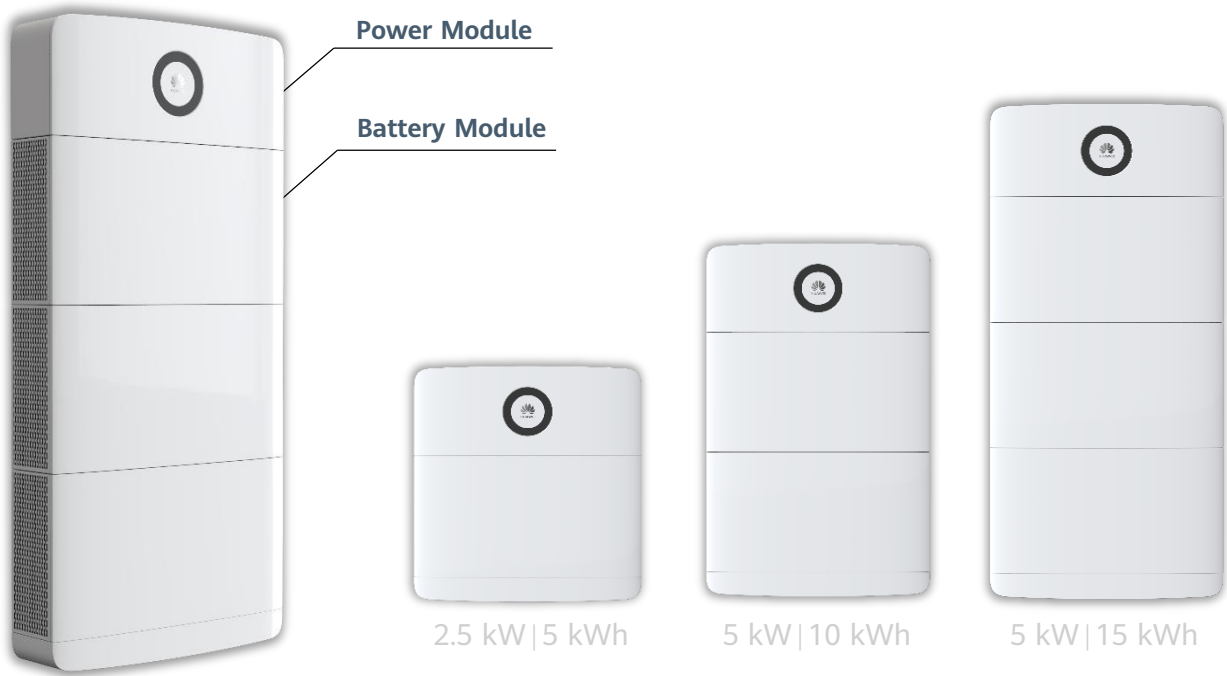


Smart String Energy Storage System



24 hours power supply

100% Depth of Discharge
Pack Level Energy Optimization



Safe & Reliable

Lithium Iron Phosphate (LFP) Cell
Cell Level Monitoring
Port 0V Voltage
Built-in Extinguish Bag



High quality Experience

Sleep-level Noise
One app for All Control

	System Specifications						
Power module	iSitePower-M-MAP05A1						
Output/input power per module	2.5 kW						
Battery module	iSitePower-M-MAB05B1						
Battery module energy	5 kWh						
Number of power modules	1						
Number of battery modules	1	2	3	4	5	6	
Battery usable energy ¹	5 kWh	10 kWh	15 kWh	20 kWh	25 kWh	30 kWh	
Max. output power	2.5kW	5 kW	5 kW	5 kW	5 kW	5 kW	

	Communication
Display	SOC status indicator
Communication	CAN (Parallel communications for power modules / Parallel communications between the battery module and power module / Communications for battery modules) Connect to Smart PVMS in WLAN/FE/4G communication mode

	General Specification
Power module dimension (W*H*D)	700 * 246 * 152 mm
Power module weight	17 kg
Battery module dimension (W*H*D)	700 * 390 * 158 mm
Battery module weight	50 kg
Base dimension (W*H*D)	700 * 65 * 147 mm (floor installation) 643 * 110 * 176 mm (wall-mounted installation)
Base weight	1.5 kg (floor installation) 5.5 kg (wall-mounted installation)
Installation Mode	Wall-mounted/ground-mounted
Protection rating	IP 66
Cell technology	Lithium-iron phosphate (LiFePO4)

AC input	
Input voltage	200/208/220/230/240 V AC
Input current	Max. 30 A
Frequency	50/60 Hz
Maximum bypass input power	6 kW
Lightning protection	Differential mode (between live and neutral): 3 KA; 8/20 μ s Common mode (between live or neutral and PE, between live/neutral pair and PE): 5 KA; 8/20 μ s

PV input	
MPPT voltage range	90-420 V DC
Maximum input capacity of the MPPT	5.5 kWp
PV string quantity	2 strings
Number of MPPT channels	1 channel
Maximum input current for one string	12.5 A
Maximum short circuit current for one string	18 A
Lightning protection	Common mode (between PV+/PV- pair and PE): \pm 10 KA; 8/20 μ s

AC output	
Output voltage system	Single-phase 200/208/220/230/240 V AC. The default value is 220 V AC
Output frequency	50/60 Hz. The default value is 50 Hz.
Maximum output current	30 A
Output power	6 kVA/5 kW
Power factor	0.8

Overload capacity	
102% \leq Load \leq 125%	30 s
125% < Load \leq 150%	10 s
>150%/short circuit	0.3 s

AC parallel box	
Dimensions (W * H * D)	350 mm x 450 mm x 150 mm
Weight	Approx. 12 kg
Input voltage	200/208/220/230/240 V AC. The default value is 220 V AC.
Input current	Max. 90 A
Output voltage	200/208/220/230/240 V AC. The default value is 220 V AC.
Output current	Max. 90 A
Cable outlet mode	Bottom in and bottom out
Installation Mode	Wall-mounted or pole-mounted installation
Degree of protection	IP55

Environmental parameters	
Operating temperature	0°C to 45°C
Relative humidity	5%-95% (RH)
Altitude Requirements	0~4000 m (The operating temperature decreases by 1°C per 200 m when the altitude is 2000 m to 4000 m)

Compliance information	
Certifications	IEC62920: 2017, CISPR11: 2015+A1: 2016/EN55011: 2016+A1: 2017, EN62040-2, ETSI EN 301 489-1, ETSI EN 301 489-17, IEC61000-3, IEC 62619, IEC 62109-1, IEC 62109-2, RoHS, EN 50385, RCM, UKCA, ICE 60730, UN38.3



1. Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C, at the beginning of life. If no PV modules are installed or the system has not detected sunlight for at least 24 hours, the minimum end of discharge SOC is 15%.
2. The weight of the battery module is subject to the actual product, with a tolerance of \pm 3%
3. Refer to battery warranty letter for conditional application.
4. Improper storage system installation may compromise product warranty and operation safety. Please follow the user manual during the installation, use, and maintenance of the storage system.



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