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Smart Battery - 5kW / 15 kW





Safe & Reliable

LFP Cell 4-layer Safety Protection



Scalable

5kWh Modular Design, Scalable from 5 to 30kWh



Fast Commissioning

Automatically Detected in App



More Usable Energy

100% Depth of Discharge Pack Level Energy Optimization



Easy Installation

12 kg Power Module 50 kg BatteryModule



Perfect Compatibility

Compatible to Both Residential Single & Three PhaseInverter

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Technical Specification

	5 kWh	10 kWh	15 kWh
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Performance

Power module	IS-BATT-5000-BMS		
Number of power modules	1		
Battery module	IS-BATT-5000-ES		
Battery module energy	5 kWh		
Number of battery Modules	1	2	3
Battery usable energy 1	5 kWh	10 kWh	15 kWh
Max. output power	2.5 kW	5 kW	5 kW
Peak output power	3.5 kW, 10 s	7 kW, 10s	7 kW, 10s
Nominal voltage (single phase system)	450 V		
Operating voltage range (single phase system)	350 – 560 V		
Nominal voltage (three phase system)	600 V		
Operating voltagerange (three phase system)	600 – 980 V		

	Communication
Display	SOC status indicator, LED indicator
Communication	RS485 / CAN (only for parallel operation)

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SOC status indicator, LED indicator
RS485 / CAN (only for parallel operation)

	General Specification		
Dimension (W*D*H)	670 * 150 * 600 mm (26.4 * 5.9 * 23.6 inch)	670 * 150 * 960 mm (26.4 * 5.9 * 37.8 inch)	670 * 150 * 1320 mm (26.4 * 5.9 * 60.0 inch)
Weight (Floor stand toolkitincluded)	63.8 kg (140.7lb)	113.8 kg (250.9lb)	163.8 kg (361.1lb)
Power module dimension (W*D*H)	670 * 150 * 240 mm (26.4 * 5.9 * 9.4 inch)		
Power module weight	12 kg (26.5 lb)		
Battery module dimension (W*D*H)	670 * 150 * 360 mm (26.4 * 5.9 * 14.0 inch)		
Battery module weight	50 kg (110.2 lb) ²		
Installation	Floor stand (standard), Wall mount (optional)		
Operatingtemperature	-20C ~+ 55C (-4F ~131F)3		
Max. operating altitude	4,000 m (13,123 ft.) (Derating above 2,000 m)		
Environment	Outdoor 4(*Please refer to the user manual for installation condition)		
Relative humidity	5%~95%		
Cooling	Natural convection		
Protection rating	IP 66		
Noise emission	<29 dB		
Cell technology	Lithium-iron phosphate (LiFePO4)		
Scalability	Max. 2 systems in paralleloperation		
Compatible inverters	IS-HYB-5000-6000-1PH, IS-HYB-5000-6000-3PH		

Standard Compliance (more available upon request)

Certificates

CE, RCM, CEC, VDE2510-50, IEC62619, IEC 60730, UN38.3

1.Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & dischargeat 25C, 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 is15%.

2.The weight of the battery module is subject to the actual product, with a tolerance of ±3% 3.Refer to battery warranty letter for conditionalapplication. 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. 6.Storage system is ordered and delivered in the form of power module and batterymodule separately with corresponding quantity.

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