

Stackable Battery

IonStack Series-ST

IS5-55-ST



Plug&Play
Installation, Less
Wiring



Top-Notch LFP Class A
Cell/Strict Capacity
Grading



IP20-Certified,
Suitable for More
Indoor Applications

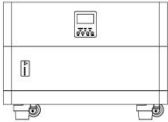
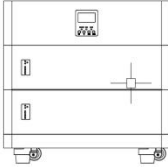
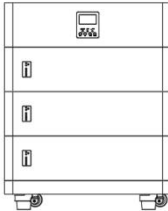
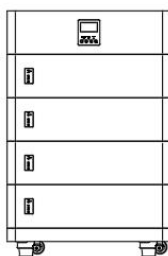
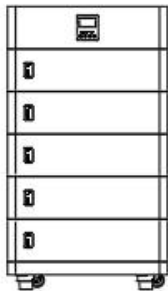


Modular Design, 5 -
25 kWh Flexible
Configuration



Precise Voltage
/Temperature/SOC
Detection

DATASHEET

Model	IS5-55-1-ST	IS5-55-2-ST	IS5-55-3-ST	IS5-55-4-ST	IS5-55-5-ST
Product Pattern					
Battery Module Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Inverter Module Quantity	1				
Operating Voltage (Input)	90-140Vac $\pm$ 3V				
Operating Voltage (Output)	110/120Vac $\pm$ 5%				
Nominal Capacity	5.5KW				
Max. Continuous Discharge Power	5.5KW				
MAX PV Input Power	8.5KW				
Maximum PV Input Voltage	500Vdc				
Maximum PV Input Current	27A				
Best PV Voltage	360~430Vdc				
Inverter Module Dimensions [W/D/H] (mm)	500*600*160mm				
Inverter Module Weight [kg]	20kg				
Battery Module Quantity	1	2	3	4	5
Nominal Energy	5KWh	10kWh	15KWh	20KWh	25KWh
Usable Energy	5KWh	10kWh	15KWh	20KWh	25KWh
Dimensions [W/D/H] (mm)	500*600*425mm	500*600*585mm	500*600*745mm	500*600*905mm	500*600*1065mm
Weight [kg]	88kg	143kg	198kg	253kg	308kg
Battery Module Dimensions [W/D/H] (mm)	500*600*160mm				
Battery Module Weight [kg]	55kg				
Operating Voltage	43.2-58.4V				
Recommended Depth of Discharge (DOD)	90%				
Charging Temperature Range	0-60℃				
Discharging Temperature Range	-10-60℃				
Communication	RS485/CAN				
Cycle life	2500 circulate				
Protection Level	IP20				
Maximum Parallel Connection Quantity	16				
Certification	MSDS/UN38.3				

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