

Product Features

Independent

- ✓ Built-in EMS function with multi-mode operation (achieves energy independence)
- ✓ Real uninterruptible power supply, switching time <10ms
- ✓ Stronger back up power up to 7800W

Safe

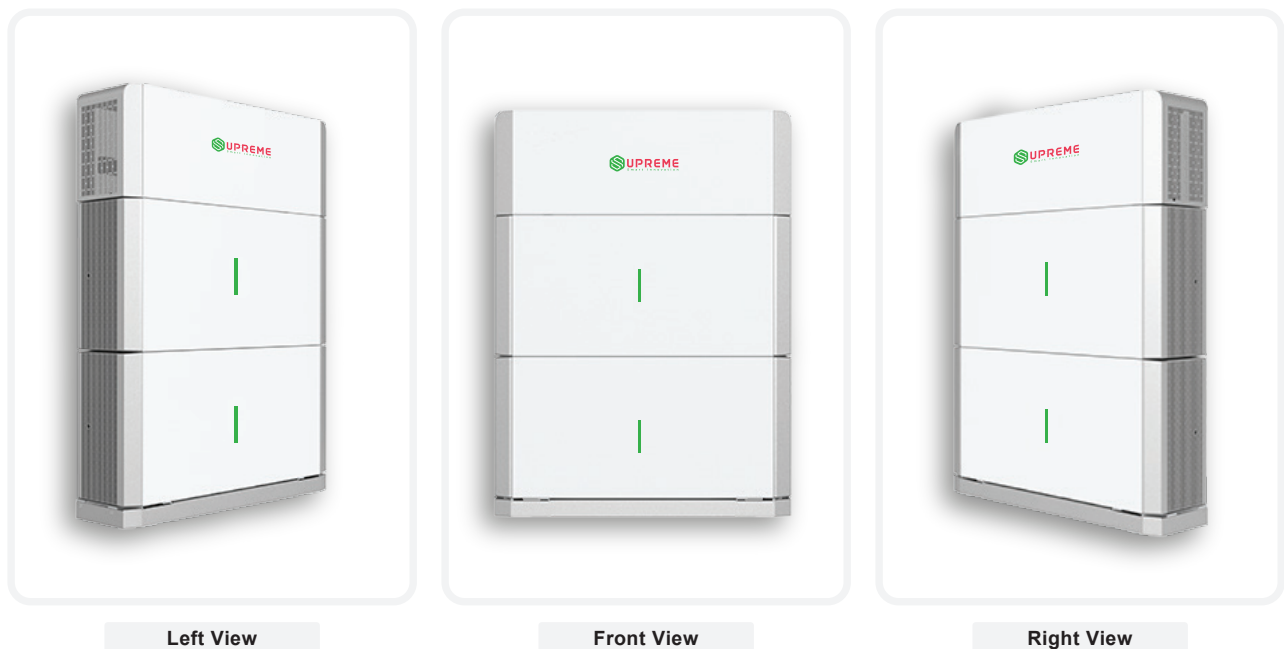
- ✓ Physical and electrical dual isolation
- ✓ Modular fire protection integration
- ✓ AFCI function integration (optional)

Simple

- ✓ All-in-one design
- ✓ Modular installation & Quick plug connector
- ✓ Multiple battery expansion & Multiple system expansion

Smart

- ✓ Multi-point real-time monitoring, adaptive SOC management
- ✓ PACK-level battery management, active balance of charging and discharging
- ✓ Intelligent energy management with weather forecast function



SPECIFICATIONS

System components

Inverter model	iStorage S1 3600	iStorage S1 5000	iStorage S1 6000
Number of Inverter		1	
Battery system model		iStorage B5-S1	
Number of battery module		1~8	
General			
Cell technology		LiFePO4	
System capacity		5~40kWh	
Rated system power	3.6kW	5kW	6kW
Dimension (W*H*D)	800*1090*240mm/31.49* 42.91*9.45in (two battery modules, with foundation)		
Noise		<25dB	
Cooling type		Natural cooling	
Altitude		2000m/6561ft	
Operating temperature		-20~50°C/-4~122°F	
Recommended operating temperature		15~30°C/59~86°F	
Storage temperature		-10~45°C/14~113°F	
Operating humidity		0~100%RH	
Display		LED & APP	
Installation method		Floor or Wall-mounted (optional)	
Communication interface		Portal-WiFi (standard) /4G (optional), Meter-RS485	

Hybrid Inverter Specification

Items	iStorage S1 3600	iStorage S1 5000	iStorage S1 6000
DC Input (PV)			
Recommended Max. PV input power		9.0kWp	
Max. PV input voltage		580Vdc	
No. of MPPTs		2	
No. of PV strings per MPPT		1/1	
Max. PV input current		15A/15A	
Max. short current		18.75A/18.75A	
MPPT voltage range		100~550Vdc	
Starting voltage		100Vdc	
DC (PV) switch		Yes	
DC Input (Battery)			
Battery voltage range		360~500Vdc	
AC Input and Output (On-grid)			
Rated AC output power	3.6kW	5.0kW	6.0kW
Rated AC output voltage		220/230/240Vac	
Grid voltage range		180~270Vac	
Max. output current	15.6A	21.7A	26.1A
Max. input current	31.2A	43.4A	52.2A
Rated grid frequency		50/60Hz	
Grid frequency range		45~55/55~65Hz	
Power factor		>0.99 (rated power)	
Adjustable power factor		0.8 (leading)~0.8 (lagging)	
THDi		<3% (rated power)	
AC Output (Back-up)			
Rated AC output voltage		220/230/240Vac	
Rated output frequency		50/60Hz	
Rated output power	3.6kW	5.0kW	6.0kW
Peak output power	4.68kW, 60s 5.4kW, 30s	6.5kW, 60s 7.5kW, 30s	7.8kW, 60s
Switch time		<10ms	
Efficiency			
Max. efficiency		97.70%	
European efficiency		97.10%	
General			
Weight		17kg/37.47lb (including side plates)	
Dimension (W*H*D)		800*280*233mm/31.49*11.02*9.17in (including side plates)	
Enclosure type		IP65	
Certification	EN 62109-1/2, IEC 62109-1/2, EN IEC 61000-6-2/3, EN IEC 61000-3-11, EN 61000-3-12, VDE-AR-N 4105, VDE V 0124-100, G98, G99, XP C15-712-3, VDE V 0126-1-1, EN50549-1, CEI0-21, AS4777.2, PO12.2, UNE 217002, UNE 217001		

*Specifications are subject to change without prior notice.

Lithium-ion Battery Module

iStorage SBM5-S1 Series

Product Features

- ✓ Safe and reliable
- ✓ Intelligent and flexible
- ✓ Easy O&M



Items	iStorage SBM5-S1
General	
Cell technology	LiFePO4
Energy capacity	5kWh
Usable capacity	5kWh
Scalability	8
Scalable capacity range	5~40kWh
DOD	100%
Rated power	4kW
Voltage range	360~500Vdc
Maximum charge current	11.11A
Maximum discharge current	11.11A 13.33A, 10s
Dimension (W*H*D)	800*380*238mm/31.49*14.6*9.37in (including side plates)
Weight	51kg/112.43lb (including side plates)
Operating temperature	-20~50°C/-4~122°F
Recommended operating temperature	15~30°C/59~86°F
Storage temperature	-10~45°C/14~113°F
Humidity	0~100%RH
Altitude	2000ft
Cooling type	Natural cooling
Display	LED
Communication interface	RS485, CAN
Topology	Isolated
Connection method	Floor or Wall mounted (optional)
Enclosure type	IP65
Certification	UL9540A, UL1973, UL60730, UN38.3

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