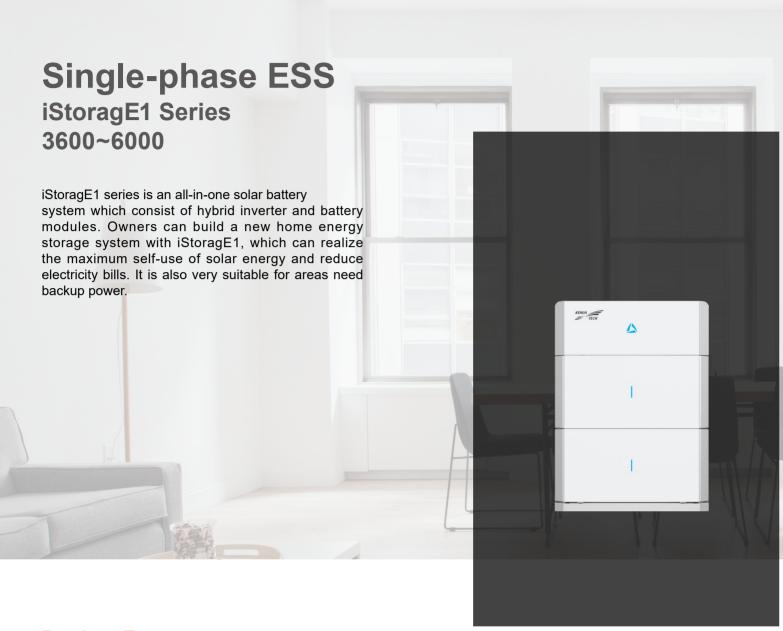
Residential Energy Storage System



Product Features





Safe



Smart

Simple

- All-in-one design, modular installation
- 1~8 batteries flexible expansion
- Modular fire protection integration
- · Physical and electrical dual isolation
- · Independent battery management, mix old and new batteries
- Built-in ECU function

System Specification

Items	iStoragE1 3600 Series	iStoragE1 5000 Series	iStoragE1 6000 Series	
System components				
Inverter model	iStoragE1 3600	iStoragE1 5000	iStoragE1 6000	
Number of Inverter	1			
Battery system model	iStoragE B5-S1			
Number of battery module	1~8			
General				
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	< 35dB			
Cooling type	Natural cooling			
Altitude	3000m//9842ft (Derating above 2000m//6561ft)			
Operating temperature ¹	-20~50°C/-4~122°F			
Recommended operating temperature	15~30°C/59~86°F			
Operating humidity	0~100%RH (Non-condensing)			
Display	LED & APP			
Installation method	Floor or Wall-mounted (optional)			

^{*}Specifications are subject to change without prior notice.
*1 Charege: 0~50°C. Discharge: -20~50°C.

Hybrid Inverter Specification

Items	iStoragE1 3600	iStoragE1 5000	iStoragE1 6000		
DC Input (PV)					
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		120Vdc			
DC (PV) switch		Yes			
DC Input and Output (Battery)					
Battery voltage range		360~500Vdc			
Max. charge/discharge current		25A			
AC Input and Output (On-grid)					
Rated AC output power	3.6kW	5.0kW	6.0kW		
Rated AC output voltage		230Vac			
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		50Hz			
Grid frequency range		45~55Hz			
Power factor		>0.99 (rated power)			
Adjustable power factor		0.8 (leading)~0.8 (lagging)			
THDi		<3% (rated power)			
AC Output (Off-grid)					
Rated AC output voltage		230Vac			
Rated output frequency		50Hz			
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 ¹		<10ms			
Efficiency					
Max. efficiency		97.70%			
European efficiency		97.10%			
General					
Weight		17kg/37.47lb (including side plates)			
Dimension (W*H*D)	800*280*	800*280*233mm/31.49*11.02*9.17in (including side plates)			
Protections	AFCI(optional), Anti-Islanding protection, DC re-	AFCI(optional), Anti-Islanding protection, DC reverse polarity protection, Insulation monitoring, DC/AC surge protection, AC short-circuit protection			
Enclosure type		IP65			
Communication interface	Portal-WiFi (standard)/4G (optional), RS485				
Compliance	EN 62109-1/2, IEC 62109-1/2, EN IEC 61000-6- 1-1, EN 50549-1	2/3, EN IEC 61000-3-11, EN 61000-3-12, VDE , CEI 0-21, NTS SEPE:V2.1, UNE 217002, UI			

^{*}Specifications are subject to change without prior notice.

^{*1} Except for countries with special requirements.