All-in-One AC-Coupled ESS

SPRING AC

3.68 kW / 6-36 kWh

POWERFUL SOLAR & STORAGE

- All-in-One Design, Easy Installation
- 3.68 kW On-Grid & Off-Grid Output
- DIY Expansion from 6 to 36 kWh
- 100% Compatible with Existing PV Systems

SMART ENERGY MANAGEMENT

- AI-Ready Smart Energy Management
- Zero-Export Control, Multi-Meter Compatibility
- Open API & Modbus Communication
- VPP Ready & SG Ready

RELIABLE BACKUP

- Dual EPS Ports
- UPS-level switchover time <10ms
- Supports Microgrid Applications via EPS with Zero-Export Control

SAFE & DURABLE

- 10,000 Battery Cycles, 100% DoD
- IP66 Ingress Protection
- Integrated Aerosol Fire Suppression
- Built-in Battery Heating
- Terminal Temperature Detection
- UL 9540A Tested

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*V1.0 Information may be subject to modify without notice. 650.00187.00

	SAC608	SAC636
AC ON-GRID		
Rated output active power	800 W	3680 W *
Rated output current	3.5 A	16.0 A
Max. AC input Apparent Power	3680 VA	
Max. AC input current	16A	
Rated AC output voltage	220 V/230 V/240 V	
Rated AC frequency	50 Hz /60 Hz	
Power factor range	~ 1 (0.8 lagging to 0.8 leading)	
THDi(@rated power)	<3%	
AC OFF-GRID		
Max. Continuous Output Apparent Power	3680 VA*	
Maximum Continuous Output Current	16A	
Rated AC output voltage	220 V/230 V/240 V	
Rated AC frequency	50 Hz /60 Hz	
Max. AC Input power	3680 W	
Max. AC Input current	16A	
BATTERY DATA		
Battery type	LFP	
Battery Rated voltage	19.2 V	
Battery Rated energy	6 kWh	
Cell Capacity	314 Ah	
Terminal nominal voltage	400 V	
Battery voltage range	360-450 V	
Battery cycle life	10000	
Max.Charge/Discharge Power	3000W	
GENERAL		
Dimensions(W x H x D)	533 x 320 x 282 mm	
Weight	53 kg	
Protective Class	Class I	
Ingress protection	IP66	
Inverter Topology Type	Isolated	
Operation temperature range	-30 ~ 60°C	
Relative humidity	4 ~100%	
Overvoltage Category	Ⅲ (MAINS), Ⅱ (BAT)	
Cooling concept	Natural cooling	
Installation Method	Floor standing (optional base and caster wheels)	
Communication	Bluetooth / Wi-Fi / RS485	

	TECHNICAL SPECIFICATIONS - BATTERY PACK
Model	BP6000
Battery type	LFP
Battery Rated energy	6 kWh
Cell Capacity	314 Ah
Battery cycle life	10000
Max. charging / discharging power	3000 W
Terminal nominal voltage	400 V
Terminal voltage range	360 - 450 V
Battery Rated voltage	19.2 V
Number of expansion battery per main module	0-5 pcs
GENERAL	
Dimensions(W x H x D)	533 x 295 x 275 mm
Weight	47 kg
Protective Class	Class I
Ingress protection	IP66
Operation temperature range	-30 ~ 60°C
Relative humidity	4 ~100%
Cooling concept	Natural cooling
Number of expansion battery per main module	0 ~ 5 pcs

* Without battery expansion, the output power is 3000 W