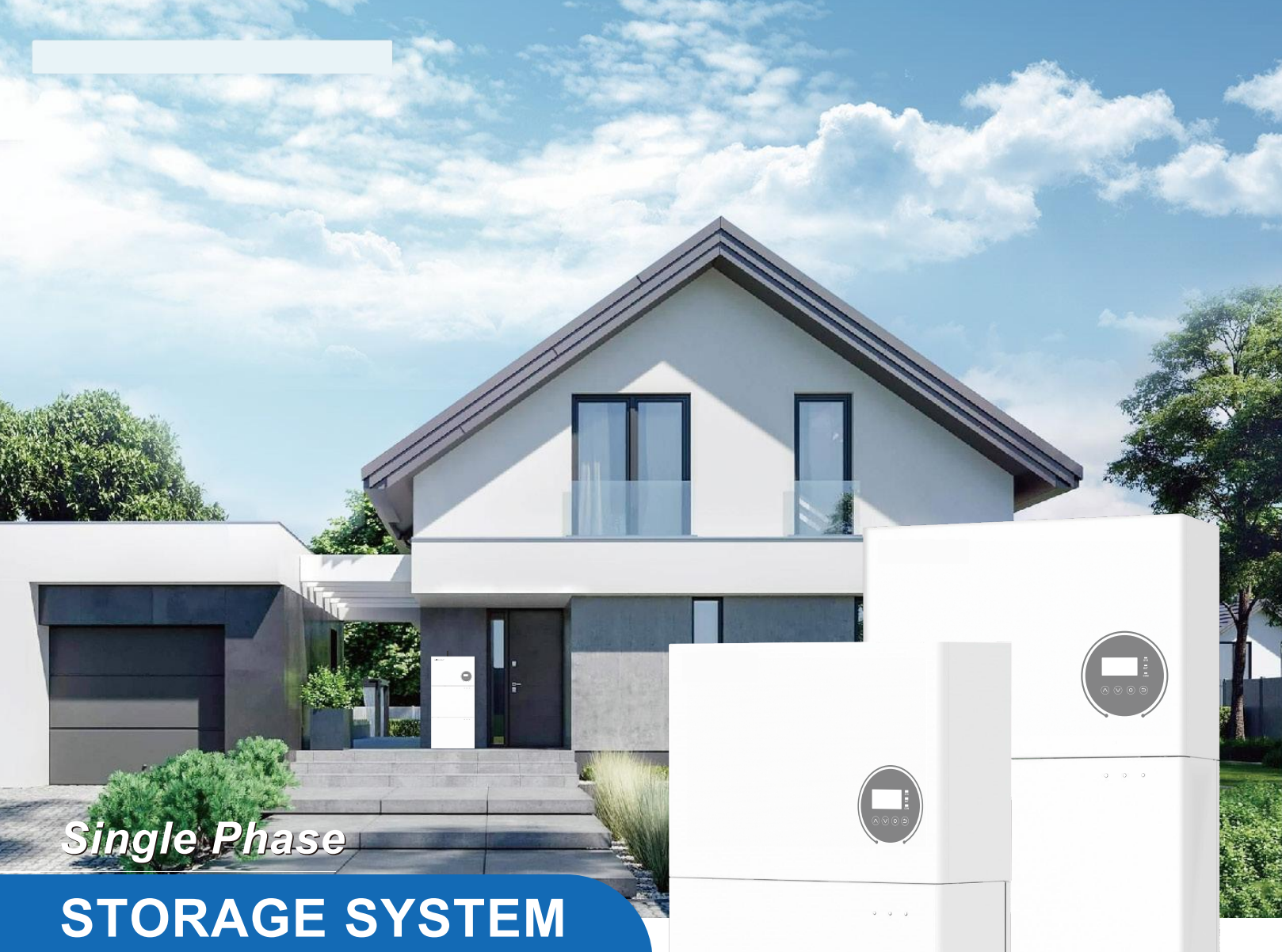




Single Phase

STORAGE SYSTEM

PRODUCT MODEL

INVERTER

■ BW-INV-SPH6K

+

BATTERY

■ BW-BAT-4.8S / BW-BAT-9.6P



HIGH PERFORMANCE

- 166% PV over management;
- 200% backup overload capacity, 50A battery current;
- Max. efficiency 97.3%, Battery efficiency 97%;
- Load monitoring accuracy 10W, Battery discharging threshold 10W.



HIGH RELIABILITY

- UPS level redundant protection against backup load breakdown;
- Three-level firmware and two-level hardware battery protection;
- Multiple temperature monitoring, delicate thermal management.



HIGH INTELLIGENCE

- Internal EMS optimizes home energy supply automatically;
- PV production forecast;
- Built-in electric power service, FCAS, VPP, etc;
- Online monitoring, online diagnosis, online service.

PARAMETERS

INVERTER MODEL		BW-INV-SPH6K	
PV INPUT			
Max. PV Input Power		10kW	
Max. PV Input Voltage		580V	
MPPT Range		100~550V	
Max. Input Current		15A / 15A	
Max. Short Circuit Current		22.5A / 22.5A	
MPPT Trackers		2	
Strings Per MPPT Tracker		1 / 1	
AC PORT			
Rated Grid Output Power		6kVA	
Max. Grid Input Power		11.5kVA	
Rated Grid / Backup Voltage		220Vac / 230Vac	
Rated Grid / Backup Frequency		50/60Hz	
Surge Backup Power		11.5kVA / 11.5kW	
Rated Backup Power		6kVA	
THDi		<3%	
THDv		<3% (Linear Load) / <5% (Non-linear Load)	
DCV		<100mV	
Crest Ratio		3 : 1	
Transfer Time		<10ms	
EFFICIENCY			
Max. Efficiency		97.3%	
Max. Round Trip Efficiency		90%	
GENERAL DATA			
Operating Temperature Range		-20°C~60°C	
Topology		Transformerless	
Dimensions (W*H*D)		590×405×205mm	
Weight		20.5kg	
Load Monitoring		Meter / CT / Backup box	
External Communication		RS-485 / WIFI / 4G / Ethernet	
Grid Regulation		CEI 0-21, NRS 097-2-1, IEC 61727, IEC 62116, EREC G99	
Safety Regulation		IEC/EN 62109-1, IEC/EN 62109-2	
BATTERY MODEL		BW-BAT-4.8S	BW-BAT-9.6P
Battery Type		LFP	
Battery Capacity		4.8kWh	9.6kWh
Usable Capacity		4.6kWh	9.1kWh
Depth Of Discharge (DoD)		95%	
Nominal Battery Voltage		96V	
Operating Voltage Range		90~108V	
Max. Charging Current		50A	
Max. Discharging Current		50A	
Operating Temperature Range		Charge:0°C<T<50°C / Discharge:-10°C<T<50°C	
Cycle Lifetime		8000	
Series / Parallel		1~4 In Series	1~6 In Parallel
Dimensions (W*H*D)		590×430×205mm	590x730x205mm
Weight		53.4kg	85.7kg
Communication		CAN / RS-485 (Optional)	
Safety Regulation		IEC 62619:2017, IEC 62040:2017	
Transportation		UN38.3	
SYSTEM			
Operating Altitude		≤3000m (>3000m Derating)	
Relative Humidity		0~95% (No Condensing)	
Protection Degree		IP65	
Cooling		Natural Convection	
Noise		<30dB	
Warranty		5 Years / 10 Years	
EMC		IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4	

Note: Specifications are subject to change without advance notice.

