



7.36kW/10kW_{Max.} PV Input Power

Max. PV Input Voltage 580V

BW-INV-SPH3.6K / BW-INV-SPH5K
ALL-IN-ONE SINGLE PHASE HYBRID INVERTER+BATTERY



Easy Installation

Flexible configuration, plug and play set-up, built-in fuse protection.



High Voltage

Includes high-voltage batteries for maximum round-trip efficiency



IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.



Remote Monitoring

Monitor your system remotely via smart phone app or web portal.

Shinson PV Station For 1500 V string inverter 330K and 330K-5G

SYSTEM MODEL PV INPUT	BW-INV-SPH3.6K	BW-INV-SPH3.6K
	PV INPUT	
Max. PV Input Power	7.36kW	7.36kW
Max. PV Input Voltage	580V	580V
MPPT Range	100~550V	100~550V
Max. Input Current	15A/15A	15A/15A
Max. Short Circuit Current	18.75A/18.75A	18.75A/18.75A
MPP Trackers	2	2
Strings Per MPP Trackers	1/1	1/1
	AC PORT	
Rated Grid Output Power	3.68kVA	5kVA/4.6kVA(DE)
Max. Grid Input Power	7.36kVA	10kVA
Max. Backup Power	7.36kVA/7.36kW	10kVA/10kW
THDi	<3%	
THDv	<3% (Linear Load) / <5% (Non-linear Load)	
DCV	<100mV	
Crest Ratio	3:1	
Transfer Time	<10ms	
	EFFICIENCY	
Max. Efficiency	0.973	0.973
Round Trip Efficiency	0.9	0.9
	GENERAL DATA	
Operating Temperature Range	-20~60°C	
Topology	Transformerless	
Dimensions (W*H*D)	590x405x205 mm	
Weight	19.5kg	19.5kg
Load Monitoring	Meter / CT / Backup box	
External Communication	RS-485 / WIFI / 4G / Ethernet	
Grid Regulation	CEI 0-21, VDE 4105-AR-N, VDE 0126-1-1, EN 50438, G99, G100, AS4777.2 NRS 097, EN 50549, C10/C11, UNE, UTE, NCRFG/PTPIREE	
Safety Regulation	IEC 62109-1&2, IEC 62477	
BATTERY MODEL	BW-BAT-9.6S	
Battery Type	LFP	
Battery Capacity	9.6kWh	
Usable Capacity	9.1kWh	
Depth of Discharge (DoD)	0.95	
Nominal Battery Voltage	96V	
Operating Voltage Range	90~108V	
Max. Charging Current	52.5A	
Max. Discharging Current	52.5A	
Operating Temperature Range	-10~50°C	
Cycle Lifetime	8000	
Parallel	1~6	
Dimensions (W*H*D)	590x730x205 mm	
Weight	86kg	
Communication	CAN / RS-485 (Optional)	
Safety Regulation	IEC 62619, IEC62040	
Transportation	UN38.3 SYSTEM	
Operating Altitude	≤4000m	
Relative Humidity	0~95% (No Condensing)	
Protection Degree	IP65	
Cooling	Nature Convection	
Noise	<30dB	
Warranty	5 years / 10 years (optional)	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4	