



ENERGY STORAGE SOLUTION

HYBRID INVERTER

PRODUCT MODEL

- BW-INV-SPH3.6K
- BW-INV-SPB5K
- BW-INV-SPH5K



PARAMETERS

BW-INV-SP Series

NEOVOLT

INERTER MODEL	BW-INV-SPH3.6K	BW-INV-SPB5K	BW-INV-SPH5K
BATTERY PORT			
Battery Type		Li-on	
Nominal Battery Voltage		96V	
Battery Voltage Range		80~450V	
Max. Charging Current	60A	60A	60A
Max. Discharging Current	60A	60A	60A
PV INPUT			
Max. PV Input Power	7.2kW		10kW
Max. PV Input Voltage	580V		580V
MPPT Range	100~550V		100~550V
Startup Voltage	90V		90V
Max. Input Current	15A/15A		15A/15A
Max. Short Circuit Current	18.75A/18.75A		18.75A/18.75A
MPPT Trackers	2		2
Strings Per MPPT Tracker	1/1		1/1
GRID PORT			
Rated Output Power	3.68kVA	5kVA	5kVA
Rated Apparent Power	3.68kVA	5kVA	5kVA
Max. Input Power	7.2kW	10kW	10kW
Rated Grid Voltage		230Vac	
Rated Grid Output Current	15.7A	21.7A	21.7A
Grid Voltage Range		180~270Vac	
Rated Grid Frequency		50/60Hz	
Power Factor		-0.8~+0.8	
THDi		<3%	
BACKUP PORT			
Max. Backup Power	3.68kW	5kW	5kW
Rated Apparent Power	3.68kVA	5kVA	5kVA
Rated Backup Voltage		230Vac	
Rated Backup Output Current	15.7A	21.7A	21.7A
Rated Backup Frequency		50/60Hz	
THDv		<3%	
Transfer Time		20ms	
EFFICIENCY			
Max. Efficiency	97%		97%
Europe Efficiency	96.2%		96.2%
GENERAL DATA			
Operating Temperature Range		-25~60°C	
Operating Altitude		3000m	
Cooling		Natural Convection	
Noise		<30dB	
Topology		Transformerless	
Overvoltage category		DC : type II / Grid : type III	
Protective Class		Class I	
Anti-islanding Protection		Active: AFD and SMS; Passive: ROCOF	
Dimensions (W*H*D)		590x405x205 mm	
Protection Degree		IP65	
Weight	19.5kg	17.5kg	19.5kg
Warranty		5 years	
HMI&COMM.			
Communication with BMS		CAN	
Load Monitoring		Meter / CT	
External Communication		RS-485 / WIFI / LAN	
CERTIFICATE			
Grid Regulation	G98/G99, VDE-AR-N 4105, EN 50549-1, VDE 0126, RD1699, CEI 0-21, C10/11, NRS097-2-1 TOR Erzeuger, MEA, PEA, AS/NZS 4777.2, IEEE1547		
Safety Regulation	IEC 62109-1&2, IEC 62477, IEC62040-1, AS3100, NB/T32004		
EMC	IEC/EN 61000-6-1/2/3/4		

Note: Specifications are subject to change without advance notice.

Made in china