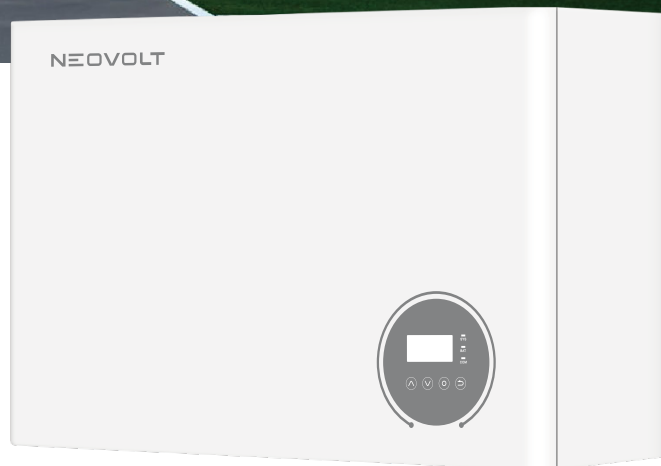




PRODUCT MODEL

- BW-INV-SPH6K (Hybrid Inverter)



HIGH PERFORMANCE

- 166% PV over management;
- 200% backup overload capacity, 60A 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.

INVERTER MODEL		BW-INV-SPH6K	
BATTERY PORT			
Battery Type	Li-on / Lead-acid		
Nominal Battery Voltage	96V		
Battery Voltage Range	80~467.2V		
Max. Charging Current	60A		
Max. Discharging Current	60A		
PV INPUT			
Max. PV Input Power	10kW		
Max. PV Input Voltage	580V		
MPPT Range	100~550V		
Startup Voltage	100V		
Max. Input Current	15A / 15A		
Max. Short Circuit Current	22.5A / 22.5A		
MPPT Trackers	2		
Strings Per MPPT Tracker	1 / 1		
GRID PORT			
Rated Output Power	6kW		
Max. Output Current	27.2A / 26A		
Max. Output Apparent Power	6kVA		
Max. Input Power	11.5kVA		
Rated Grid Voltage	220Vac / 230Vac		
Grid Voltage Range	180~270Vac		
Rated Grid Frequency	50/60Hz		
Power Factor	-0.8~+0.8		
THDi	<3%		
BACKUP PORT			
Surge Backup Power	11.5kVA		
Rated Backup Power	6kVA		
Rated Backup Voltage	220Vac / 230Vac		
Rated Backup Frequency	50/60Hz		
THDv	<3% (Linear Load) / <5% (Non-linear Load)		
DCV	<100mV		
Crest Ratio	3 : 1		
Transfer Time	<10ms		
EFFICIENCY			
Max. Efficiency	97.3%		
European Efficiency	96.2%		
MPPT Efficiency	99.9%		
Max. Round Trip Efficiency	90%		
GENERAL DATA			
Operating Temperature Range	-20°C~60°C		
Relative Humidity	0~95% (No Condensing)		
Operating Altitude	≤3000m (>3000m Derating)		
Cooling	Natural Convection		
Noise	<30dB		
Topology	Transformerless		
Dimensions (W*H*D)	590x405x205mm		
Protection Degree	IP65		
Weight	20.5kg		
Warranty	5 Years / 10 Years		
HMI&COMM.			
Communication With BMS	CAN / RS-485		
Load Monitoring	Meter / CT / Backup box		
External Communication	RS-485 / WIFI / 4G / Ethernet		
User Interface	LED / LCD		
CERTIFICATE			
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		
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.