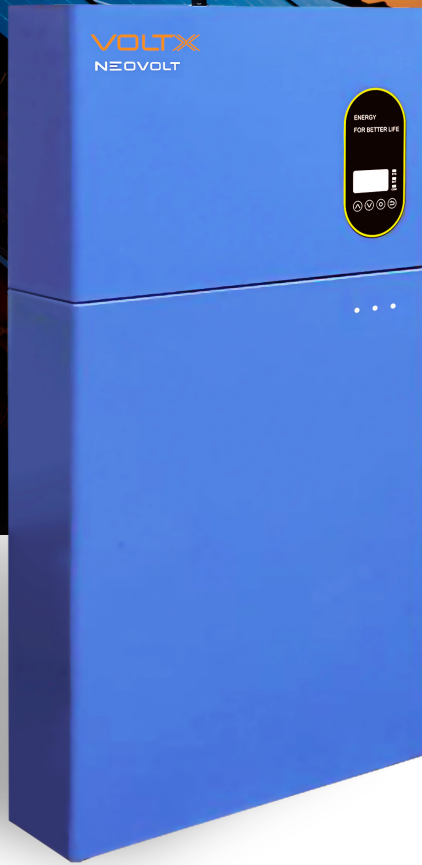




A Leader in Sustainable Energy Storage

Go sustainable and fuel your savings with the VoltX Neovolt Home Battery System, your trusted ticket to energy independence.

Boost your energy independence with the VoltX Neovolt Home Battery System. Designed to store and deliver power when you need it most, Neovolt provides reliable energy savings, day and night. Reduce your reliance on the grid, cut costs, and embrace a smarter, greener future with ease.

Inverter

Ensure safe and seamless power with VoltX Neovolt's Inverter System. Engineered with superior protective features including UPS protection against backup load breakdown, this allows you to secure your devices in case of power outages. This inverter is also equipped with temperature monitoring, thermal management, and PV forecast features for efficient energy management and device maintenance.



Battery

High performing, smart, and ultra-reliable. Get all the best home battery features with the VoltX Neovolt Battery Storage System. Backed by an up to 97.3% efficiency rate and a 200% backup overload capacity, switching to sustainable energy has never been this good. This power pack is made even better with an internal EMS to optimise your home's energy supply, providing you with quality power to run all your essential electronics.



Maximum Safety

Upgrade your home with power that is safe for both you and your devices.

- UPS-level protection against backup load breakdown
- Three-level firmware and two-level hardware battery protection
- 200% backup overload capacity and PV over management



Efficient Energy Management

Monitor your battery system's metrics for optimal energy consumption management.

- Temperature monitoring and thermal management features
- Online monitoring, diagnosis, and services
- Efficient load monitoring accuracy



Superior Power Output

- Stay secure at all times with quality power output to keep your home running during an outage.
- Max efficiency rate of 97.3%
- Internal EMS optimizes home energy supply
- Integrated power electric service

SPECIFICATIONS



INVERTER MODEL		BW-INV-SPH3.6K		BW-INV-SPB5K		BW-INV-SPH5K	
PV INPUT							
Max. PV Input Power		7.36kW				10kW	
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	
MPPT Trackers		2				2	
Strings Per MPPT Tracker		1/1				1/1	
AC PORT							
Rated Grid Output Power		3.68kVA		5kVA / 4.6kVA(DE)		5kVA / 4.6kVA(DE)	
Max. Grid Input Power		7.36kVA		10kVA		10kVA	
Rated Grid / Backup Voltage				230Vac			
Rated Grid / Backup Frequency				50 / 60Hz			
Surge Backup Power		7.36kVA / 7.36kW		10kVA / 10kW		10kVA / 10kW	
Rated Backup Power		3.68kVA		5kVA		5kVA	
THDi				<3%			
THDv				<3% (Linear Load) / <5%(Non-linear Load)			
DCV				<100mV			
Crest Ratio				3:1			
Transfer Time				<10ms			
EFFICIENCY							
Max. Efficiency		97.3%				97.3%	
Max. Round Trip Efficiency		90%		90%		90%	
GENERAL DATA							
Operating Temperature Range				-20~60 °C			
Topology				Transformerless			
Dimensions (W*H*D)				590×405×205mm			
Weight		19.5kg		18kg		19.5kg	
Load Monitoring				Meter / CT / Backup box			
External Communication				RS-485 / WIFI / 4G / Ethernet			
Grid Regulation				VDE-AR-N 4105:2018, G98, G99, C10/11:2021, NTS 631, RD647:2020			
				UNE 217002:2020, CEI 0-21, VDE 0126-1-1, NRS 097-2-1, AS/NZS 4777.2:2020, EN 50549-1			
Safety Regulation				IEC/EN 62109-1&2, IEC/EN 62477-1:2012			
BATTERY MODEL				BW-BAT-10.1P			
Battery Type				LFP			
Battery Capacity				10.1kWh			
Usable Capacity				9.6kWh			
Depth of Discharge (DoD)				95%			
Nominal Battery Voltage				96V			
Operating Voltage Range				90~108V			
Max. Charging Current				52.5A			
Max. Discharging Current				52.5A			
Operating Temperature Range				Charge:0<T<50 °C / Discharge:-10<T<50 °C			
Cycle Lifetime				8000			
Parallel				1~6			
Dimensions (W*H*D)				590×750×205mm			
Weight				90kg			
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 subjected to change without advance notice.