



## Single Phase STORAGE SYSTEM

### PRODUCT MODEL

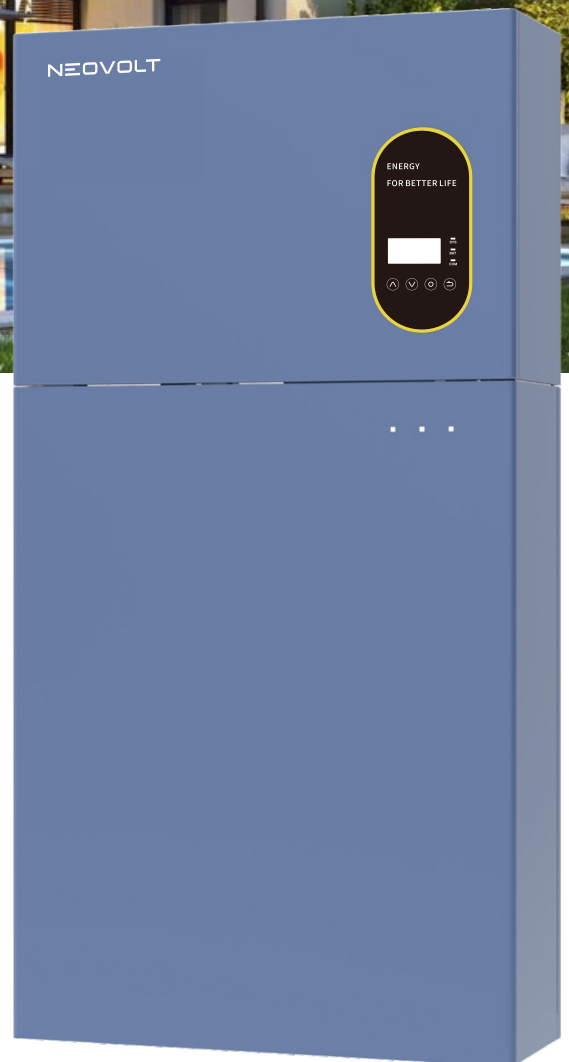
**INVERTER**

■ BW-INV-SPH5K

+

**BATTERY**

■ BW-BAT-10.1P



#### HIGH PERFORMANCE

- 200% 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;
- Max. 6 Inverters in parallel to increase power availability.



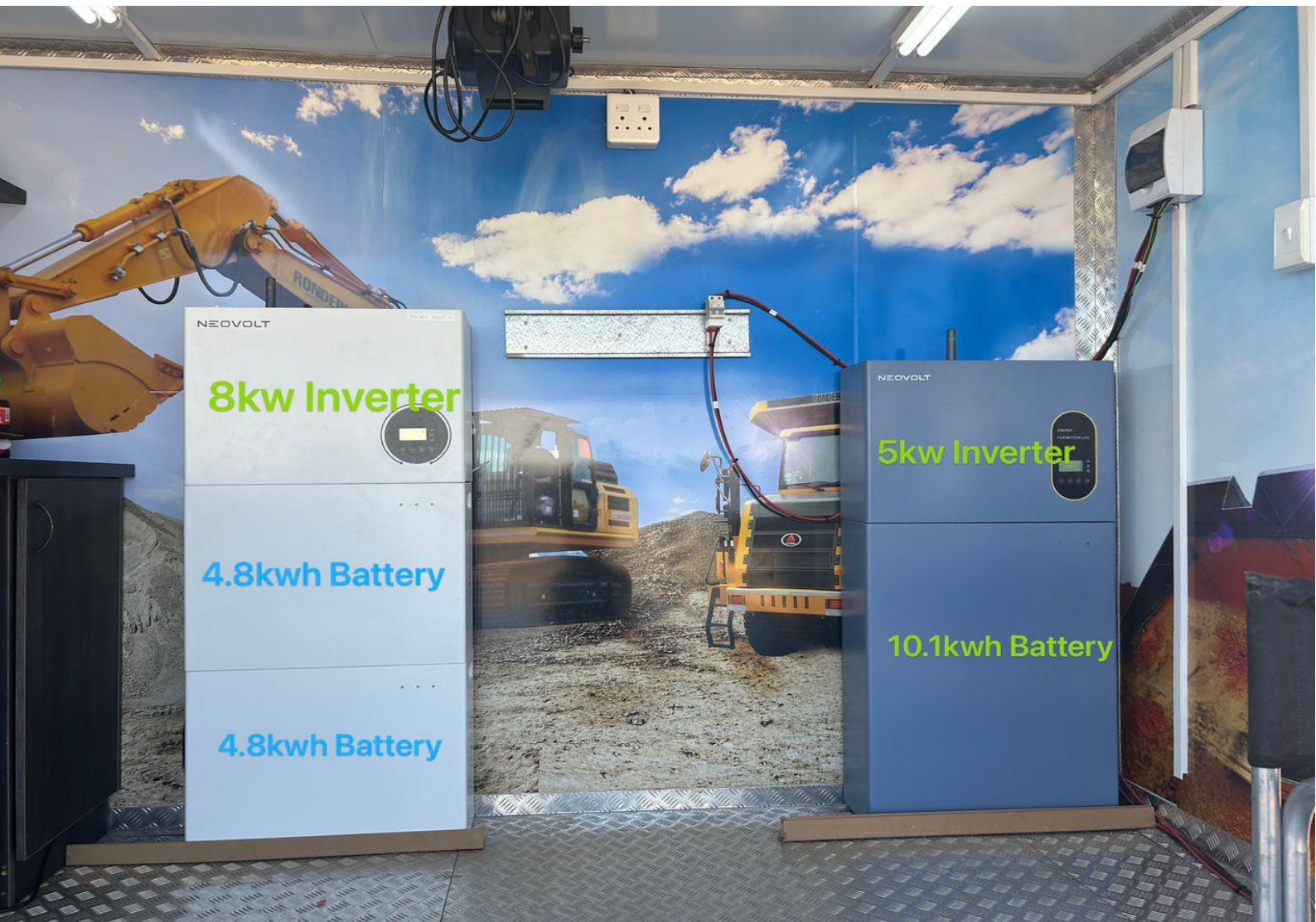
#### HIGH INTELLIGENCE

- 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-SPH5K
<b>PV INPUT</b>		
Max. PV Input Power		10kW
Max. PV Input Voltage		580V
MPPT Range		100~550V
Max. Input Current		15A / 15A
Max. Short Circuit Current		18.75A / 18.75A
MPPT Trackers		2
Strings Per MPPT Tracker		1 / 1
<b>AC PORT</b>		
Rated Grid Output Power		5kVA / 4.6kVA(DE)
Max. Grid Input Power		10kVA
Rated Grid / Backup Voltage		230Vac
Rated Grid / backup Frequency		50/60Hz
Surge Backup Power		10kVA / 10kW
Rated Backup Power		5kVA
THDi		<3%
THDv		<3% (Linear Load) / <5% (Non-linear Load)
DCV		<100mV
Crest Ratio		3 : 1
Transfer Time		<10ms
<b>EFFICIENCY</b>		
Max. Efficiency		97.3%
Max. Round Trip Efficiency		90%
<b>GENERAL DATA</b>		
Operating Temperature Range		-20°C~60°C
Topology		Transformerless
Dimensions (W*H*D)		590×405×205mm
Weight		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
<b>BATTERY MODEL</b>		
<b>BW-BAT-10.1P</b>		
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°C<T<50°C / Discharge:-10°C<T<50°C
Cycle Lifetime		8000
Parallel / Series		1-6 in parallel
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
<b>SYSTEM</b>		
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.



NEOVOLT  
ONE PHASE



# PRICING SCHEDULE

Quantities	5KW Inverter	10.1KWH Battery	
41+	R 13,457.49	R 37,970.13	R 51,427.62
36-40	R 13,702.18	R 38,660.49	R 52,362.67
31-35	R 14,069.20	R 39,696.04	R 53,765.24
26-30	R 14,680.90	R 41,421.96	R 56,102.86
21-25	R 14,925.59	R 42,112.32	R 57,037.91
16-20	R 15,292.61	R 43,147.87	R 58,440.48
11-15	R 15,904.31	R 44,873.79	R 60,778.10
6-10	R 16,516.02	R 46,599.70	R 63,115.72
1-5	R 17,127.72	R 48,325.62	R 65,453.34

Quantities	8KW Inverter	4.8KWH Battery	A Set
41+	15950	19250	35200
36-40	16240	19600	35840
31-35	16675	20125	36800
26-30	17400	21000	38400
21-25	17690	21350	39040
16-20	18125	21875	40000
11-15	18850	22750	41600
6-10	19575	23625	43200
1-5	20300	24500	44800



## Single Phase

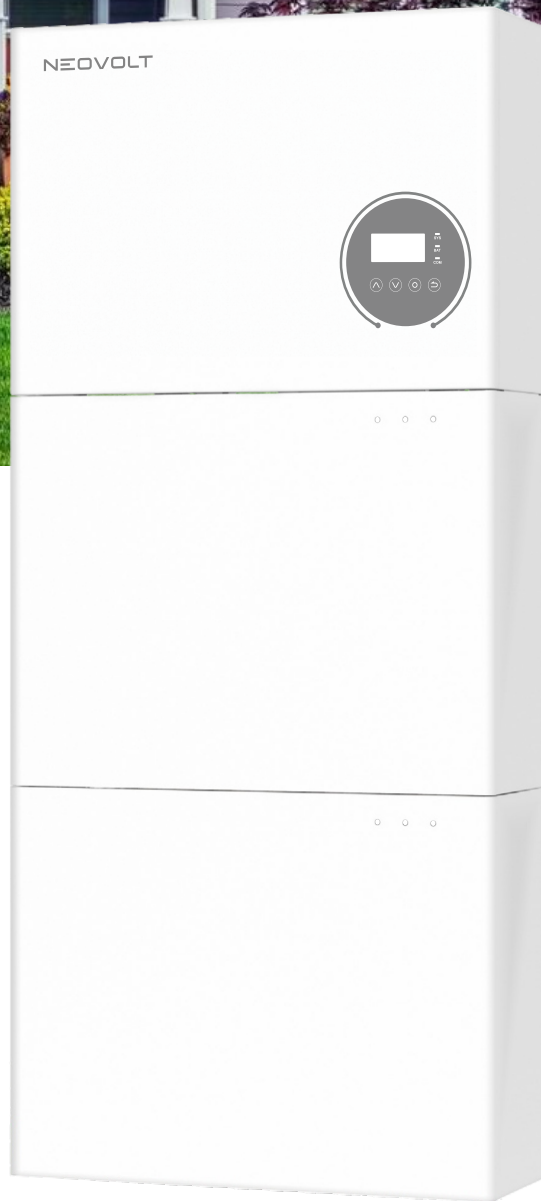
# STORAGE SYSTEM

### PRODUCT MODEL

**INVERTER** ■ BW-INV-SPH8K

+

**BATTERY** ■ BW-BAT-4.8S



### HIGH PERFORMANCE

- 125% PV over management;
- 125% 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-SPH8K
<b>PV INPUT</b>		
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
<b>AC PORT</b>		
Rated Grid Output Power		8kVA
Max. Grid Input Power		12kVA
Rated Grid / Bscup Voltage		220Vac / 230Vac
Rated Grid / Backup Frequency		50/60Hz
Rated Backup Power		8kVA
Surge Backup Power		12kVA
THDi		<3%
THDv		<3% (Linear Load) / <5% (Non-linear Load)
DCV		100mV
Transfer Time		<10ms
<b>EFFICIENCY</b>		
Max. Efficiency		97.3%
Max. Round Trip Efficiency		90%
<b>GENERAL DATA</b>		
Operating Temperature Range		-20°C~60°C
Topology		Transformerless
Dimensions (W*H*D)		590×405×205mm
Weight		21kg
Load Monitoring		Meter / CT / Backup box
External Communication		RS-485 / WIFI / 4G / Ethernet
Grid Regulation		NRS 097-2-1, EREC G99, IEC 61727, IEC 62116
Safety Regulation		IEC/EN 62109-1, IEC/EN 62109-2
<b>BATTERY MODEL</b>		<b>BW-BAT-4.8S</b>
Battery Type		LFP
Battery Capacity		4.8kWh
Usable Capacity		4.6kWh
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		1~4 in series
Dimensions (W*H*D)		590×430×205mm
Weight		53.4kg
Communication		CAN / RS-485 (Optional)
Safety Regulation		IEC 62619:2017, IEC 62040:2017
Transportation		UN38.3
<b>SYSTEM</b>		
Operating Altitude		≤3000m (>3000m Derating)
Relative Humidity		0~95% (No Condensing)
Protection Degree		IP65
Cooling		Smart forced air cooling
Noise		<45dB
Warranty		5 years
EMC		IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4

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