

PowerPod

Residential **Single-Phase** All-In-One Energy Storage System
3.6-10kW / 4.99-19.9kWh

VOL+A
ECO SYSTEMS

Powering Bigger Needs with Ease.

Max. **2** times
Photovoltaic
Over-configuration

16 A
DC Single String
Input Current

50 A
Fast Charge /
Discharge Current

< 10 ms
EPS Switching Time
Full House Backup
Available

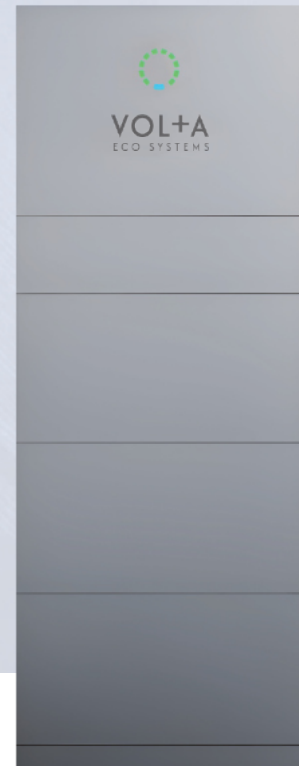
-20 °C
Operating Temperature,
Heating Module Inside

15 s
Eliminate Safety Risks,
Built-in Aerosol Fire
Suppression Module

Powered by

From **WHS**

 **Battery Heating
Technology**



Convenient

- Built-in meter function simplifies communication wiring.
- Integrated plug-in terminal replaces manual wiring, saving 75% installation time between modules.

Flexible

- 4.992kWh per battery module, up to 4 battery modules for a single unit.
- Supports up to 5 units in parallel.

Safe

- Four-layer protection design, including built-in fire suppression system.
- Support AFCI.
- UL-certified battery modules for enhanced safety.

Friendly

- Supports optional intelligent heating module, providing a wider operating temperature range.
- < 25 dB, no noise pollution.

Contact Us

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help@voltaeco.co.uk

PowerPod

Technical Specifications

Model	SIA-3.6kW		SIA-4.6kW ¹		SIA-5kW		SIA-6kW		SIA-8kW		SIA-10kW	
PV Input												
Absolute max. Voltage	600 V											
MPPT Voltage Range	50...560 V											
Max. DC Input Power	7360 W	9200 W	10000 W		12000 W		16000 W		20000 W			
Start-up Voltage	90 V											
Rated Operating Voltage	360 V											
Max. Input Current					16/16 A					32/32 A		
Isc PV					22/22 A					44/44 A		
No. of MPP Trackers	2											
No. of Strings per MPP Tracker					1/1					2/2		
Battery Model												
Battery Type	LiFePO4											
Battery Voltage Range	80...500 V											
Max. Charge/Discharge Current	50/50 A											
Depth of Discharge	90%											
Scalability	WH-BXC4992 (Up to 20 kWh, 4 modules)											
AC Input/Output												
Max. AC Power from Grid	7360 W	9200 W	10000 W		12000 W		14490 W		14490 W			
Max. Current from Grid	32 A	40 A	43.5 A		52.2 A		63 A		63 A			
Rated Output Power	3680 W	4600 W	5000 W (4999 W for AU)		6000 W		8000 W		10000 W (9999 W for AU)			
Max. Apparent Power to Grid	3680 VA	4600 VA	5000 VA (4999 VA for AU)		6000 VA		8000 VA		10000 VA (9999 VA for AU)			
Rated Voltage	220/230/240 V											
Rated Frequency	50/60 Hz											
Max. Output Current	16 A	20 A	21.8 A		26.1 A		34.8 A		43.5 A			
Power Factor	1 (-0.8...+0.8 adjustable)											
THDi	< 3%											
EPS Output												
Max. Outpout Power ²	3600 W	4600 W	5000 W		6000 W		8000 W		10000 W			
Max. Output Current	16 A	20 A	21.8 A		26.1 A		34.8 A		43.5 A			
Rated Voltage	220/230/240 V											
Rated Frequency	50/60 Hz											
Power Factor	1 (-0.8...+0.8 adjustable)											
THDv @ Linear Load	< 2%											
Peak Output Apparent Power	5520 VA, 10 s	6900 VA, 10s	7500 VA, 10s		9000 VA, 10s		12000 VA, 10s		14490 VA, 10s			
Protection												
Over/Under Voltage Protection, DC Isolation Protection, DC Injection Monitoring, Residual Current Detection, Anti-islanding Protection, Over LoadProtection, Battery Input Reverse Polarity Protection, PV Reverse Polarity Protection, Surge Protection, Over Heat Protection, AFCI (optional)												
General Data												
Dimension (W*D*H)	600*350*1800 mm (four battery modules, with foundation)											
Hybrid Inverter Net Weight	27.4 kg											
Operation Temperature	-20°C...+55°C ³											
Relative Humidity	0...95%											
Altitude	≤ 3000 m											
Ingress Protection	IP65											
Cooling	Natural											
Inverter Topology	Non-isolated											
Over Voltage Category	III (AC),II (DC)											
Protective Class	Class I											
Active Anti-islanding Method	Frequency shift											
Human Interface	LED/APP											
BMS Communication Interface	RS485/CAN											
Meter Communication Interface	RS485											
Noise Emission	< 25 dB											

¹ Only for Germany.

² Depends on the voltage and the discharge current of the batteries connected.

³ This is the operating temperature when the intelligent heating module is built-in, if not, the operating temperature is Charge: 0°C...50°C, Discharge: -10°C...+55°C.

* The product features a shiny silver color design with a mirror-like logo, which exhibits subtle color variations under different lighting conditions.

* All information reflects the current state of technology at the time of printing and is subject to change. Despite careful editing, no liability is assumed.