

The MYRTILLO series is a modular high-voltage battery energy storage system designed for high performance and user-friendly operation. Thanks to its flexible architecture, the system allows for quick installation and scalable capacity according to specific energy requirements. Suitable for outdoor installation, the intuitive interface ensures ease of use. System optimisation ensures maximum energy efficiency, making it a reliable solution.

Key benefits

Weather resistance
IP65-rated enclosure enables safe and reliable outdoor installation.

Operation in Extreme Temperatures
Stable performance from -20°C to 55°C with integrated heating pad, ensuring full power output even at -20°C.

Scalability
Expandable capacity up to 29.94 kWh.

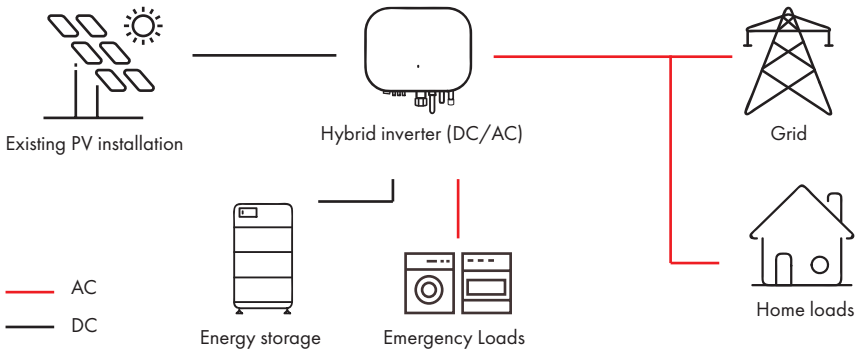
High Voltage Operation
Stable and efficient operation even at high power consumption.

Reliable LiFePO4 cells
Long cycle life – up to 10,000 cycles.

Overheating Protection & Fire Risk Mitigation
Designed in accordance with stringent safety standards (UL9540A).

Four-Level Safety Protection System
Including integrated fire protection module and DC fuse.

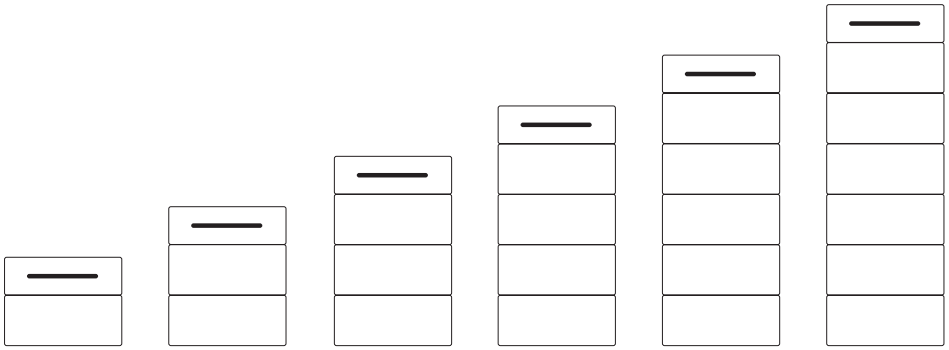
Possible applications



Data sheet
technical specifications

AVIA SOLAR

MYRTILLO series

Model	WH-BXC4992 - 1S	WH-BXC4992 - 2S	WH-BXC4992 - 3S	WH-BXC4992 - 4S	WH-BXC4992 - 5S	WH-BXC4992 - 6S
Demo System						
System data						
Battery Type	$LiFePO_4$					
Module Capacity	4.992kWh					
Number of Modules	1	2	3	4	5	6
Nominal Capacity (kWh)	4.992	9.984	14.976	19.968	24.86	29.952
Nominal Voltage (V)	96	192	288	384	480	576
Operating Voltage (V)	84...108	168...216	252...324	336...432	420...540	504...648
Nominal Power (kW)	2.496	4.992	7.488	9.984	12.480	14.976
Recommend Charge/Discharge Current (A)	26					
Max. Charge/Discharge current (A)	52					
Depth of Discharge (DoD)	90%					
Display	State of charge (SOC), status indicator					
Communication interface	CAN, RS485					
General data						
Dimensions (W*D*H) (mm)	600*350*575	600*350*880	600*350*1185	600*350*1570	600*350*1795	600*350*2100
Weight (kg)	69	126	183	240	297	354
Operating temperature (°C)	-20...55					
Relative Humidity (%)	5...95					
Max. Altitude (m a.s.l.)	≤3000					
Installation	Indoor/Outdoor/Floor stand					
Cooling/heating	Natural					
Ingress Protection	IP65					
Design life	10 years (25°C)					
Safety and Approvals						
Certificate	UN38.3, IEC62619, IEC61000, UL1973, UL9540A, FCC Part 15 (Klasa B)					

https://aviasolar.pl/

UNIMOT Energia
i Gaz Sp. z o.o.
al. Jerozolimskie 142B
02-305 Warsaw

e-mail address:
solar@unimot.pl

NIP: 9730421440
REGON: 970619205