belinus®

BELGIAN DESIGN
AND QUALITY

Energiewall LV

Turn your home into power station

Features

Belgian Designed Energy Management System

Custom made for Belgium. Measure, monitor and manage the system in real-time. Optimize the system life span by intelligent algorithms.

A better warranty comes with a higher quality product

Proudly Made in Belgium.
Rigid European quality control standards for 10,000 cycles over 12 years.
Certificates: VDE AR 4105, TOR Erzeuger, UN 38.3 / IEC 62281, IEC 61000-6-1, IEC 61000-6-3, IEC 62109-1, IEC 62109-2, IEC 62040-1, IEC 60730-1, VDE AR 2510-2, IEC 62619, VDE AR 2510-50, IEC 60529

Belinus All-in-One Warranty

The Belinus all-in-one warranty is the only energy storage battery warranty with a comprehensive 12-year coverage for the supply of new and old parts and for installation costs.
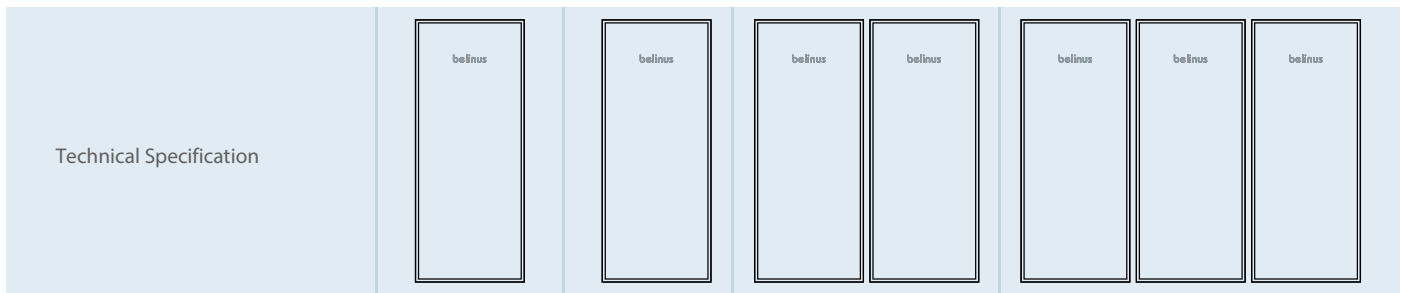This sophisticated warranty plan saves you additional costs on your purchases for 12 years.

Wide Compatibility

Compatible with SMA, GoodWe, Solis, Growatt, Victron, Voltronic, Studer, single phase hybrid inverters.

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Technical Specification

Performance

Battery pack energy	5.12 kWh			
Number of battery Modules	1	2	3	8
Battery usable energy	5.12 kWh	10.24 kWh	15.36 kWh	40.96 kWh
Max. output power	2.5 kw	5 kw	7.5 kw	20 kw
Peak output power	5 kW, 15 s	10 kW, 15 s	15 kW, 15 s	40 kW, 15 s
Nominal voltage (single phase system)	51.2 V			
Operating voltage range (single phase system)	47.6V-58.0V			

Communication

Display	SOC status indicator, LED indicator
Communication	RS485 / CAN

Standard Compliance (more available upon request)

Certificates	CE, IEC62619, UL1973, UN38.3
Our system can parallel max 8 battery modules to 40kWh	

Performance

Weight (kg)	81kg	132kg	183kg	438kg
Battery cabinet dimension (W*D*H)	1400 x 560 x 130mm			
Power module weight	30 kg			
Battery module dimension (W*D*H)	440 x 620 x 117mm			
Battery module weight	51 kg			
Installation	Floor stand, Wall mount			
Operating temperature	-10oC~ + 55oC			
Max. operating altitude	4,000 m (13,123 ft.) (Derating above 2,000 m)			
Environment	Indoor			
Relative humidity	5%~95%			
Cooling	Natural convection			
Protection rating	IP 66			
Noise emission	<20dB			
Cell technology	Lithium-iron phosphate (LiFePO4)			
Scalability	Max. 4 systems in parallel operation			
Compatible hybrid and AC coupling inverters	SMA Sunny Island 4.4M / 6.0H / 8.0H Solis RHI-(3-5)K-48ES GoodWe ES Series3.6 - 5 kW Growatt SPH/SPF3000~6000 Studer Xtender 48Vseries Victron MultiPlus-II3000VA-5000VA-8000VA Quattro Voltronic Axpert sries 3KVA-5.6KVA,InfiniSolar 1.5-6kw			
Color Options				

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