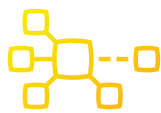


MAX.STORAGE

Battery storage system - Intelligence made in Germany



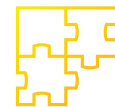
High connectivity
Smart home & e-mobility



All-In-One System
Ultra-compact design



Master controller
Intelligent energy management



Modular design
Future-proof



2-16 kWh

Battery storage
More.Capacity



2-8 kW

High charge/discharge capacity
More.Self-consumption

More. Future.

Technical specifications

	6	8	10	12	15
Input values					
MPP voltage range ¹	300 V ... 750 V	380 V ... 750 V	470 V ... 750 V	400 V ... 750 V	470 V ... 750 V
Control range	160 V - 750 V				
Minimum DC voltage	At start 200 V / at shutdown 160 V				
Maximum DC voltage	900 V				
Maximum DC current	22 A (2 x 11 A)		33 A (11 A + 22 A)		
Number of MPP trackers	2				
Max. PV generator output power per MPPT	MPPT1: 7,200 W / MPPT2: 7,200 W			MPPT1: 7,200 W / MPPT2: 14,400 W	
Number of string connections	2 (1/1)		3 (1/2)		
Connection type	Amphenol				
Output values					
Nominal power ²	6,000 W	8,000 W	10,000 W	12,000 W	15,000 W
Maximum apparent power ²	6,000 VA	8,800 VA	11,000 VA	13,200 VA	16,500 VA
Maximum AC current	3 x 10 A	3 x 13 A	3 x 16 A	3 x 19.7 A	3 x 22.7 A
Mains nominal voltage	3 x 400 V				
Mains nominal frequency / range	50 Hz / 45 Hz ... 55 Hz				
Power factor cos (φ)	Adjustable from 0.8 overexcited to 0.8 underexcited				
Distortion factor at rated output power	< 3 %				
Connection type	Terminal (4-6 mm ²)				
Grid connection	Three-phase (L1 / L2 / L3 / N / PE)				
Battery storage					
Technology	Lithium-Ionen				
Voltage	51.1 V				
Capacity per battery pack	2 kWh				
Capacity (modular)	2.0 kWh to 8.0 kWh (optionally with XL-Version 16.0 kWh)				
DoD	90 %				
Power DC/DC converter	2 kW pro converter (up to 4 converters possible)				
Weight per battery pack	19.2 kg				
Ambient Conditions					
Protection class	IP20				
Ambient temperature range	- 0 °C ... + 40 °C				
Relative humidity	0 % ... 95 % (without condensing)				
Maximum operating height above sea level	2,000 m				
Configuration					
Visualization / Operation	Webbrowser				
Inverter topology	Transformerless				
DC disconnecter	Integrated				
Energy manager	Recording of energy production, energy consumption, energy storage, grid feed-in, Evaluation of the recorded data including graphic processing. Resource recognition. Energy management and energy flow control.				
Fault current monitoring	Internal, All current sensitive				
Housing / Service cover	Aluminium				
Overvoltage category AC and DC	AC: III / DC: II				
Standard & guidelines					
EMV	EN 61000-6-2, EN 61000-6-3				
Grid connection / guidelines	VDE-AR-N 4105				
Transport	UN 38.3 ³				
Device safety	IEC 62109-1, IEC 62109-2				
Interfaces					
Data communication	RS485 / Ethernet / CAN / Modbus				
Status signalling contact	Integrated				
Ripple control signal receiver connection	Integrated				
Connection of external devices	50, CAN, Modbus, 8 x digital I/O galv. isolated, 4 signal relay contacts, 4 analog inputs 4 - 20 mA, 4 analog inputs 0 - 10 V, 5G-Ready				
Weight & dimensions					
Weight (depending on equipment)	70 kg to 140 kg*				
Dimensions (W x H x D)	700 mm x 1.000 mm x 405 mm (High XL-Version: 1.380 mm)				
Warranty					
Warranty	10 years (according to guarantee conditions)				



The quality management system of SOLARMAX GmbH is certified according to ISO 9001:2015.

- 1) For AC nominal power with symmetrical design.
- 2) Depending on the country setting, deviating values are possible.
- 3) Battery modules.

All rights, modifications and errors excepted.

* Data, dimensions, design, weight and dimensions subject to change.

DOWNLOAD APP NOW
and start directly!

