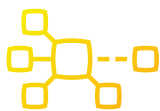


MAX.STORAGE *Ultimate*

Compact All-in-One Premium Home Storage System
Intelligent. Connective



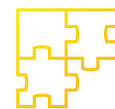
Maximum connectivity
Smart home & e-mobility



Master Controller II
Most intelligent energy management



All-In-One System
"No one is smaller!"



Modula structure
Future-proof



3-15 kWh

Battery storage
More. Capacity



2-10 kW

High charge/discharge performance
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 / During shutdown 160 V				
Maximum DC voltage	900 V				
Maximum DC current	26 A (2 × 13 A)			39 A (26 A + 13 A)	
Maximum DC current / Short-circuit current	30 A (2 × 15 A)			45 A (30 A + 15 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	6,600 VA	8,800 VA	11,000 VA	13,200 VA	16,500 VA
Maximum AC current	3 × 10 A	3 × 13 A	3 × 16 A	3 × 19.7 A	3 × 22.7 A
Mains nominal voltage	3 × 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	Wago spring-loaded terminals (rigid up to 10 mm ² , flexible up to 6 mm ²)				
Grid connection	Three-phase (L1 / L2 / L3 / N / PE)				
Battery storage					
Technology	Lithium-Ionen				
Nominal Voltage	51.1 V				
Capacity battery	3 kWh / 6 kWh / 9 kWh / 12 kWh / 15 kWh				
DoD	90 %				
Power DC/DC converter	1.75 kW (nominal power) / 2 kW (max. peak)				
Ambient Conditions					
Protection class	IP20				
Ambient temperature range (nominal power)	0 °C ... + 40 °C				
Relative humidity	0 % ... 85 % (without condensing)				
Maximum operating height above sea level	2,000 m				
Configuration					
Visualization / Operation	App, Webbrowser				
Inverter topology	Transformerless				
DC disconnecter	Integrated				
Energy management	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				
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	EN 62109-1, EN 62109-2				
Interfaces					
Data communication	RS485 / Ethernet / Modbus TCP / Modbus RTU				
Status signalling contact	Integrated				
Ripple control signal receiver connection	Integrated				
Connection of external devices	50, Ethernet, RS485, 8 digital inputs galvanically isolated, 4 signal relay contacts, 4 analogue inputs (0 - 20 mA), 4 analogue inputs (0 - 10 V), SG-Ready				
Weight & dimensions					
Weight without batteries	60 kg				
Weight battery pack 3 kWh each	19.2 kg				
Dimensions (W × H × D)	660 mm × 1,220 mm × 400 mm (435 mm with display)				
Warranty					
Warranty	10 years (according to Warranty conditions)				



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

The environmental management system is certified according to ISO 14001.

- 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.

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