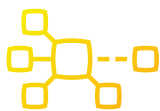


# MAX.STORAGE *Ultimate*

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



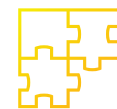
Maximum connectivity  
Smart home & e-mobility



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
<b>Input values</b>					
MPP voltage range <sup>1</sup>	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 (13 A + 26 A)	
Maximum DC short-circuit current	30 A (2 × 15 A)			45 A (15 A + 30 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	3 (1/2)				
Connection type	Amphenol				
<b>Output values</b>					
Nominal power <sup>2</sup>	6,000 W	8,000 W	10,000 W	12,000 W	15,000 W
Maximum apparent power <sup>2</sup>	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 <sup>2</sup> , flexible up to 6 mm <sup>2</sup> )				
Grid connection	Three-phase (L1 / L2 / L3 / N / PE)				
<b>Battery storage</b>					
Technology	Lithium-Ionen				
Nominal Voltage	51.1 V				
Battery capacity (modular: 1 to 5 batteries)	3 kWh / 6 kWh / 9 kWh / 12 kWh / 15 kWh				
DoD	90 %				
Max. Charge/discharge power (modular: DC/DC converter)	2 kW / 4 kW / 6 kW / 8 kW / 10 kW (rated power per DC/DC converter: 1.75 kW)				
<b>Ambient Conditions</b>					
Protection class	IP20				
Ambient temperature range (nominal power)	0 °C ... + 40 °C				
Relative humidity	5 % ... 85 % (without condensing)				
Maximum operating height above sea level	2,000 m				
<b>Configuration</b>					
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				
<b>Standard &amp; guidelines</b>					
EMV	EN 61000-6-2, EN 61000-6-3				
Grid connection	VDE-AR-N 4105				
Transport	UN 38.3 <sup>3</sup>				
Device safety	EN 62109-1, EN 62109-2				
<b>Interfaces</b>					
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				
<b>Weight &amp; dimensions</b>					
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				
<b>Warranty</b>					
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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