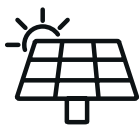


MAX.STORAGE

Three-phase • 2.0 kWh to 8.0 kWh (extendable to 16 kWh)

The storage system from the inverter professionals



Three-phase SolarMax DC storage system
Flexible AC power from 6 to 15 kW



All-in-one system
Integrated energy manager



In Modular design 2 to 8 kWh
In the XL version up to 16 kWh
Lithium-ion battery technology



Compact design
Bavarian quality product
10 years warranty on the complete system

MAX.STORAGE

Technical specifications*

		6	8	10	12	15
Input Values PV	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 - 750 V				
	Minimum DC voltage	At start 200 V / At shutwown 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	Rated output power ²⁾	6,000 W	8,000 W	10,000 W	12,000 W	15,000 W
	Maximum apparent output power ²⁾	6,600 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
	Nominal mains 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-Ion				
	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 ³⁾)				
	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 (for rated power output)	min. 0 °C ... + 40 °C				
	Relative humidity	0 % ... 95 % (without condensation)				
	Maximum operating level 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, AC/DC sensitive				
	Housing / service cover	Aluminium				
Overvoltage conductor, AC and DC	AC: III / DC: II					
Standard and guidelines	EMV	EN 61000-6-2, EN 61000-6-3				
	Grid connection	VDE-AR-N 4105				
	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, SG-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*				
Warranty	Warranty	10 years (according to guarantee conditions)				

¹⁾ For AC nominal output with symmetrical design.

²⁾ Depending on country setting, different values are possible.

³⁾ Available from 2nd quarter 2021

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*Data, measurements, design, weight and dimensions subject to reservation.