

SolarMax MaxStorage TP-S

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
- Modular design - 2 to 8 kWh
- In the XL version up to 16 kWh
- Lithium-Ion Battery Technology
- All-In-One System
- SolarMax inverter 7TP2 integrated
- Proven SolarMax data communication
- Compact design
- Bavarian quality product
- 10 years warranty on the complete system

SolarMax MaxStorage TP-S

Technical specifications*

		MaxStorage TP-S
Input Values PV	MPP voltage range ¹⁾	360 V ... 750 V
	Control range	250 V ... 840 V
	Minimum DC voltage	250 V
	Maximum DC voltage	900 V
	Maximum DC-current	10 A + 10 A
	Number of MPP trackers	2
	Max. PV generator output power per MPPT	5.000 Wp
	Number of string connections	2
	Connection type	MC4
Output values	Rated output power ²⁾	7.000 W
	Maximum apparent output power ²⁾	7.000 VA
	Maximum AC current	3 x 10.2 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
	Grid connection	Three-phase (L1 / L2 / L3 / N / PE)
Battery storage	Technology	Lithium Ion
	Voltage	48 V
	Capacity per battery pack	2.0 kWh per battery pack (1.80 kWh usable - up to 4 batterypacks possible)
	Capacity (modular)	2.0 kWh to 8.0 kWh
	Power DC-DC converter	2 kW per converter (up to 4 converters possible)
	Weight per battery pack	25 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	Display	Mobile APP for Android, iPhone, iPad
	Inverter topology	Transformerless
	DC disconnecter	Integrated
	Energy manager	Energy production, energy consumption, energy storage, power supply, peak power and operating time for the last 31 days, 12 months, 10 years. Performance curves for the last 7 days. Resource recognition, consumption typification, self-learning energy management, Assessment of external influences.
	Fault current monitoring	Internal, AC/DC sensitive
	Housing / service cover	Aluminium
	Overvoltage conductor, DC and AC	Requirement class D (VDE 0675-6) and/or type 3 (EN 61643-11)
Interfaces	Data communication	RS485 / Ethernet / CAN / KNX / Modbus
	Status signalling contact	integrated
	Connection Integrated ripple control receiver	integrated
	Connection Integrated external lightning protection monitoring	integrated
	Connection Integrated external grid monitoring	integrated
	Connection external energy meter	S0, CAN, KNX, Modbus, 8 x digital I/O galv. isolated, 4 signalrelaiscontact, 4 analogue inputs 0 mA - 20 mA, 4 analogue inputs 0 V - 10 V, SG-Ready
Weight & dimensions	Weight (depending on equipment)	115 kg to 200 kg* (empty weight 40 kg / delivery weight up to 80 kg)
	Dimensions (W x H x D)	696 mm x 960 mm x 404 mm*
Warranty	Warranty	10 years

¹⁾ For AC nominal output with symmetrical design.

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

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*Dimensions, design, weight and dimensions conditional.