







PSI-X-BMS-HS

PSI-X-3.6HS

PSI-X-SBOX-HS

PSI-X-HS | STORAGE BATTERIES HV

- 
MODULAR AND EXTENDABLE
Up to 47.9 kWh
- 
WATER RESISTANT IP65
Suitable for indoor or outdoor installations
- 
BUILT FOR LOW TEMPERATURE
Thanks to the unique battery heating technology
- 
EASY INSTALLATION
Fast and intuitive stackable system







Column 1









Column 2



PSI-X-HS

Technical data	 2 modules	 3 modules	 4 modules	 5 modules	 6 modules	 7 modules
Nominal capacity	7.3 kWh	11 kWh	14.7 kWh	18.4 kWh	22.1 kWh	25.8 kWh
Usable energy (90% DOD)	6.5 kWh	9.9 kWh	13.2 kWh	16.5 kWh	19.8 kWh	23.2 kWh
Nominal voltage	102.4 V	153.6 V	204.8 V	256 V	307.2 V	358.4 V
Operating voltage range	90-116 V	135-174 V	180-232 V	225-290 V	270-349 V	315-406 V
Recommend charge / Discharge current	50 A (reccomended 35 A)					
Max. Charge / discharge current	50 A (reccomended 35 A)					
Nominal power	3.5 kW	5.3 kW	7.1 kW	8.9 kW	10.7 kW	12.5 kW
Max. power	5.1 kW	7.6 kW	10.2 kW	12.8 kW	15.3 kW	17.9 kW
Depth of discharge	90%					
Communication interface	RS485, CAN					
Dimensions (LxWxH)	510 X 365 X 522 mm	510 X 365 X 659.5 mm	510 X 365 X 797 mm	510 X 365 X 934.5 mm	510 X 365 X 1072 mm	510 X 365 X 1209.5 mm

Technical data	 8 modules	 9 modules	 10 modules	 11 modules	 12 modules	 13 modules
Nominal capacity	29.4 kWh	33.1 kWh	36.8 kWh	40.5 kWh	44.2 kWh	47.9 kWh
Usable energy (90% DOD)	26.4 kWh	29.7 kWh	33.1 kWh	36.4 kWh	39.7 kWh	43.1 kWh
Nominal voltage	409.6 V	460.8 V	512 V	563.2 V	614.4 V	665.6 V
Operating voltage range	360-465 V	405-522 V	450-580 V	495-636 V	540-695 V	585-750 V
Recommend charge / discharge current	50 A (reccomended 35 A)					
Max. charge / discharge current	50 A (reccomended 35 A)					
Nominal power	14.3 kW	16.1 kW	17.9 kW	19.7 kW	21.5 kW	23.2 kW
Max. power	20.4 kW	23.0 kW	25.6 kW	28.1 kW	30.7 kW	33.2 kW
Depth of discharge	90%					
Communication interface	RS485, CAN					
Dimensions (LxWxH)	510 X 365 X 1347 mm	510 X 365 X 1484.5 mm	510 X 365 X 934.5 + 510 X 365 X 934.5 mm	510 X 365 X 1072 + 510 X 365 X 934.5 mm	510 X 365 X 1072 + 510 X 365 X 1072 mm	510 X 365 X 1209.5 + 510 X 365 X 1072 mm

BMS	PSI-X-BMS-HS
Dimensions (LxWxH)	510 x 365 x 157 mm
Weight	13 Kg

Battery module	PSI-X-3.6HS
Battery type	Lithium-ion (LiFePO4)
Battery module	3.6 kWh
Dimensions (LxWxH)	510 x 365 x 152 mm
Weight	34 Kg

Series box	PSI-X-SBOX-HS
Dimensions (LxWxH)	510 x 365 x 152 mm
Weight	10 Kg

General data	
Installation	Floor stand
Charge / discharge temperature range	0 - 53 °C charge and -20 - 53 °C discharge (-30 - 53 °C charge/discharge with battery heating)
Max. operation altitude	3000 m
Environment	Outdoor/indoor (*please refer to the user manual for installation condition)
Protection degree	IP65
Relative humidity	From 5 to 95% (non condensing)
Communication and power supply cable	Included in the BMS box and in the series box

Warranty e compatibility	
Warranty	10 years
Configuration	Refer to data sheets of compatible inverters
Compatible inverters	Peimar single phase hybrid inverters PSI-X1P (HY/RF) SERIES - Peimar three phase hybrid inverters PSI-X3S (HY/RF) SERIES Peimar three phase hybrid inverters PSI-X3P (HYM)