

# PSI-X-BMS-HS | PSI-X-2.5HS PSI-X-SBOX-HS

PSI-X-HS

Storage batteries HV



**10 years**  
Product warranty



**PEIMAR X PORTAL**  
Remote Monitoring

## Column 1



PSI-X-BMS-HS



PSI-X-2.5HS



PSI-X-2.5HS



Mounting base

## Column 2



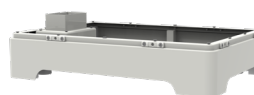
PSI-X-SBOX-HS



PSI-X-2.5HS















PSI-X-2.5HS



Mounting base

# PSI-X-HS

Technical data	 2 PSI-X-2.5HS		 3 PSI-X-2.5HS		 4 PSI-X-2.5HS		 5 PSI-X-2.5HS		 6 PSI-X-2.5HS		 7 PSI-X-2.5HS	
	Nominal capacity	5,1 kWh		7,6 kWh		10,2 kWh		12,8 kWh		15,3 kWh		17,9 kWh
Usable energy (90% DOD)	4,6 kWh		6,9 kWh		9,2 kWh		11,5 kWh		13,8 kWh		16,1 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	45 A (reccomended 30 A)											
Max. Charge / discharge current	45 A (reccomended 30 A)											
Nominal power	3,0 kW		4,6 kW		6,1 kW		7,6 kW		9,2 kW		10,7 kW	
Max. power	4,6 kW		6,9 kW		9,2 kW		11,5 kW		13,8 kW		16,1 kW	
Depth of discharge	90%											
Communication interface	RS485, CAN											
Dimensions (L x W x H)	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 PSI-X-2.5HS		 9 PSI-X-2.5HS		 10 PSI-X-2.5HS		 11 PSI-X-2.5HS		 12 PSI-X-2.5HS		 13 PSI-X-2.5HS	
	Nominal capacity	20,4 kWh		23 kWh		25,6 kWh		28,1 kWh		30,72 kWh		33,2 kWh
Usable energy (90% DOD)	18,4 kWh		20,7 kWh		23,0 kWh		25,3 kWh		27,6 kWh		29,9 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	45 A (reccomended 30 A)											
Max. Charge / discharge current	45 A (reccomended 30 A)											
Nominal power	12,2 kW		13,8 kW		15,3 kW		16,8 kW		18,4 kW		19,9 kW	
Max. power	18,4 kW		20,7 kW		23,0 kW		25,3 kW		27,6 kW		29,9 kW	
Depth of discharge	90%											
Communication interface	RS485, CAN											
Dimensions (L x W x H)	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 (L x W x H)	510 x 365 x 157 mm
Weight	13 Kg

## Battery module

### PSI-X-2.5HS

Battery type	Lithium-ion (LiFePO4)
Battery module	2,5 kWh
Dimensions (L x W x H)	510 x 365 x 152 mm
Weight	30 Kg

## Series box

### PSI-X-SBOX-HS

Dimensions (L x W x H)	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-XIP (HY/RF) SERIES - Peimar three phase hybrid inverters PSI-X3S (HY/RF) SERIES

