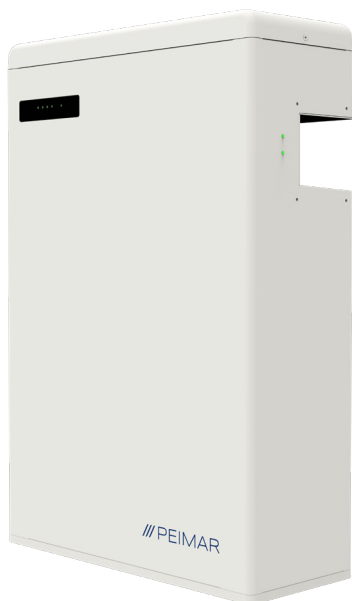


## PSI-X-5.8MST-V2

### PSI-X-BT SERIES - HV STORAGE BATTERIES



- ✓ SIMPLE INSTALLATION
- ✓ GUARANTEED LIFETIME
- ✓ STATUS AND RESIDUAL CHARGE LEDs

#### General Data

Nominal voltage	115,2 V
Operating voltage	100 - 131 V
Battery type	Li-ion (LFP)
Total capacity	5,8 kWh
Usable capacity <sup>(1)</sup>	5,1 kWh
Battery roundtrip efficiency	95 %
Standard power	2,8 kW
Max power	4,0 kW
Recommend charge / discharge current	25 A
Max charge / discharge current	35 A
Short circuit current	760 A
Cycle life	> 6000 cycles
Dimensions (L x W x H)	474 x 193 x 708 mm
Weight	72,2 kg
Warranty	10 years

#### Environment requirement

Operating temperature	Charge: 0 - 55 °C / Discharge: -10 - 55 °C
Full-load operating temperature	5 - 48 °C
Storage temperature	-20 - 30°C (12 months), 30 - 55°C (6 months)
Relative humidity	4 - 100% RH (condensing)
Altitude	< 2000 m
Ingress protection	IP65

#### Communication

System to inverter	CAN2.0
Battery to battery / BMS	RS485
Data collection port / FW update	CAN2.0
Master control working mode indicator	1 LED
Master control capacity indicator	4 LED (25 %, 50 %, 75 %, 100 %)
Battery module LED	2 LED
Reset	Button
Switch ON / OFF	Button x 1 + breaker x 1

#### Certifications

For a complete list of certificates, please refer to [www.peimar.com](http://www.peimar.com)

<sup>1</sup> Test conditions: 90% DOD, 0.2 C charger & discharger @+25 °C