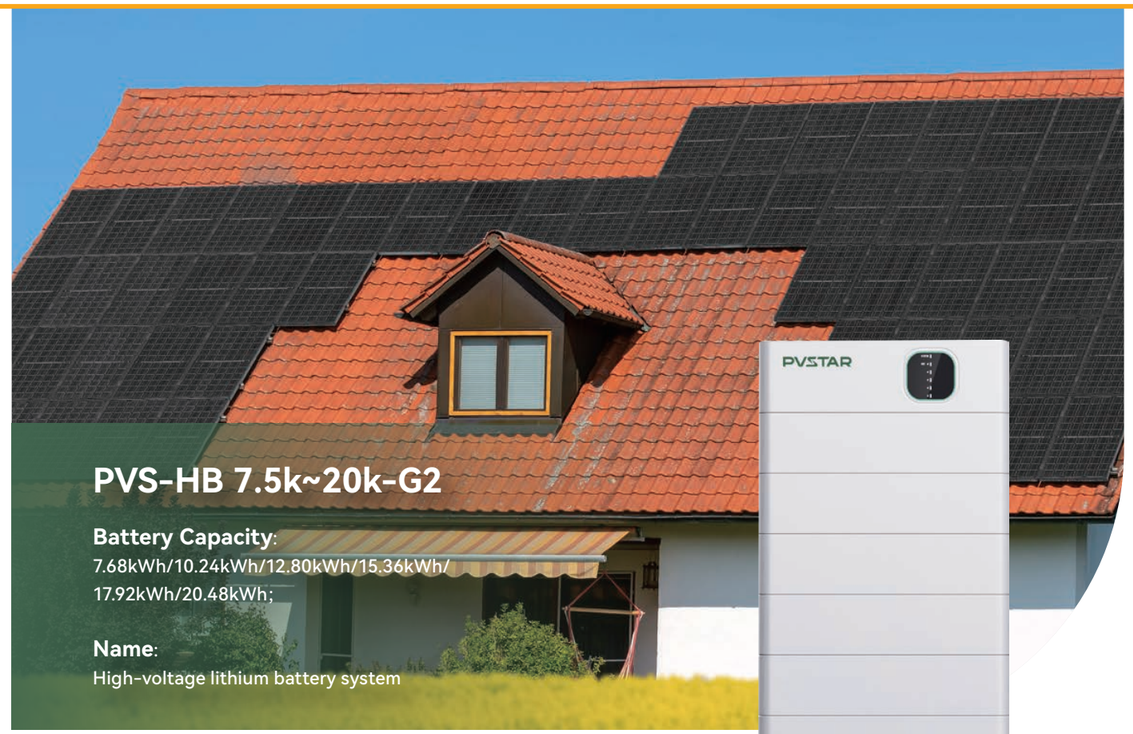


PVS-HB 7.5k~20k-G2

Battery Capacity:
7.68kWh/10.24kWh/12.80kWh/15.36kWh/
17.92kWh/20.48kWh;

Name:
High-voltage lithium battery system

Features

◎ Easy-to-install

- Module mating design.
- Quick connection between battery and inverter.
- Quick and easy installation with basic tools.
- Stable,anti-tipping design.

◎ High reliability

- IP65 protection rating.
- Cell-level monitoring.
- Lithium iron phosphate safety cell technology.
- BMS all-round protection.

◎ User-friendly

- Stackable and expandable up to 81.92kWh(8 modules in a single system,4 systems in parallel).
- It supports a variety of application scenarios:self-consumption,peak shaving,peak-to-valley arbitrage,etc.
- Online monitoring through the PVSTAR Apps.

Certifications



Model	PVS-HB 7.5K-G2	PVS-HB 10K-G2	PVS-HB 12.5K-G2	PVS-HB 15K-G2	PVS-HB 17.5K-G2	PVS-HB 20K-G2
System Parameters						
Battery module	PVS-LB 2.5k-G2					
BDU module	PVS-BDU-A-500-G2					
Battery type	LiFePO4					
NO. of power module	3	4	5	6	7	8
Total capacity [1]	7.68kWh	10.24kWh	12.80kWh	15.36kWh	17.92kWh	20.48kWh
Usable capacity [2]	6.91kWh	9.21kWh	11.52kWh	13.82kWh	16.12kWh	18.43kWh
Rated voltage	153.6V	204.8V	256.0V	307.2V	358.4V	409.6V
Operating voltage	120.0V~175.2V	160.0V~233.6V	200.0V~292.0V	240.0V~350.4V	280.0V~408.8V	320.0V~467.2V
Max. input current	25A					
Max. output current	30A					
General parameters						
Dimensions(W/D/H)	540*390*600mm	540*390*730mm	540*390*860mm	540*390*990mm	540*390*1120mm	540*390*1250mm
Module weight	30.5kg					
Battery system weight	106.5kg	137kg	167.5kg	198kg	228.5kg	259kg
Installation location	Indoor/Outdoor					
Installation	Floor Stand(Stack)					
Operating temperature range	Charging:0℃~50℃/Discharging:-20℃~50℃					
Storage temperature range	-20℃~45℃					
Cooling concept	Natural					
Degree of protection	IP65					
Relative humidity	5~95 %,No condensation					
Communication	CAN					
Certifications&Standards	IEC 62619, IEC63056, IEC EN 61000-6-x, IEC EN 62040-1, IEC EN 62477-1, UN38.3					
No. of cycles [3]	6000 Cycles					

*All specifications are subject to change without notice.
*For more info:Please contact us by Email or our Website.

- Definition of rated power condition:Battery voltage 2.5~3.65V,0.5C charge and discharge at +25℃. (1)
- Definition of the available power condition:90%DOD,0.5C charge and discharge at +25℃. (2)
- The available energy may very depending on discharge,charging,environmental conditions,and residential-defined SOC limits.
- The number of cycles condition is defined:80%DOD,0.2C charge and discharge at +25℃. (3)