SP-HV5120-T Series / 5-30kWh

Residential&Commercial High Voltage Lithium Battery

Modular Design & Easy Installation

HV-BMS Control Box

LiFePo4 Battery Pack

Bottom Base

Easy Installation

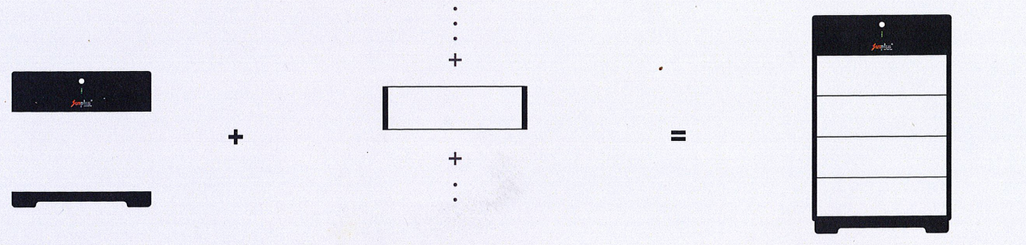
- A single module with small dimension and weights less than 48kg
- Wireless connection and fewer accessories
- Optimized design of handles and interfaces realizes easy installation

Modular Design

- With a wireless connection, it is no need to disassemble wires during maintenance
- The modular design of BMS makes maintenance convenient and reduces maintenance time
- With cloud monitoring fast troubleshooting

Flexible Expansion

- Optimized design of module voltage makes Sunplus batteries compatible with popular inverters
- 1-6 modules connected in series to form a complete unit
- Max.6 clusters can be connected in parallel to enlarge electric capacity



HV-BOX02

HV BMS Control Box
+
Bottom Base

SP-HV5120-T

5.12kWh LiFePO4 Battery pack,
102.4V, 50Ah

High Voltage Energy Storage Battery

UK CA CE CB

IP65 Level High Ingress Protection Level	Flexible Capacity Expansion 5.12-30.72kWh	**Max.6** Clusters Cluster Parallel Usage	Soft Start Function
One-person Effortless Install	Standard Active Heating	Smart Auto-Addressing	Multiple Protection

- Long Design Life
- Multiple Protection
- Modular Design
- Dekra Certification
- Scalable & Flexible
- Easy Maintenance

T2-T6

Rechargeable Lithium Iron Phosphate Battery System

pecification

	HV Stacked LFP Battery
	SP-HV5120-T1
	LFP 1P32S
	50Ah/5.12kWh
	4.86kWh(95% DOD)
	102.4V
	91.2~115.2V
	112V
urrent	25/40A
	RS485, CAN, Wifi
	0~45℃(Recommended)
	≤85%（RH）
	Charge：-10~50℃; Discharge：-20~50℃
	≤95%（RH）
	≤2000m
	IP65
	17.8kg(HV-Box02)+44.5kg(Pack)
	636×330×453
	15 Years(25℃)
	＞8000@25℃@0.5C
	Module: Max.6S, Max.6 in parallel (Max. Capacity 180kWh)
	CE-EMC: IEC61000-6-1/3, CB: IEC62619,

Product Model	SP-HV5120 -T2	SP-HV5120 -T3	SP-HV5120 -T4	SP-HV5120 -T5	SP-HV5120 -T6
Nominal Capacity(kWh)	10.24	15.36	20.84	25.60	30.72
Usable Capacity(kWh)	9.72	14.58	19.44	24.30	29.16
Rated Power(kW)	8.192	12.288	16.384	20.480	25.576
Maximum Out Power(kW)	9.216	13.824	18.432	20.040	27.648
Nominal Voltage(V)	204.8	307.2	409.6	512.0	614.4
Working Voltage(V)	182.4~230.4	273.6~345.6	364.8~460.8	456.0~576.0	547.2~691.2
Charging Voltage(V)	224	336	448	560	672
Max. Charge/Discharge Current(A)			25/40		
Weight(kg)	106.8	151.3	195.8	240.3	284.8
Dimension(W×D×H,mm)	636*330*641	636*330*829	636*330*1017	636*330*1205	636*330*1393
Design Life	15 Years (25℃)				
Cycle Life	＞8000@25℃@0.5C				
Scalability	Module: Max.6S, Max.6 in parallel(Max. Capacity 180kWh)				
Types of Protection	Against excessive energy charging, Against excessive energy discharging, Against too high or too low charging current, Against short circuit/reverse polarity, Against overheating, Before charging at low temperatures, Sleep mode after charging				
Work Profiles	Charging only from a photovoltaic installation, Charging from the cut power of the photovoltaic installation, Charging from a photovoltaic installation and the power grid, Active heating function				
Certification	CE-EMC: IEC61000-6-1/3, CB: IEC62619, IEC60730, IEC62040, CE-RED, UN38.3, MSDS				

Compatibility List

Accessories