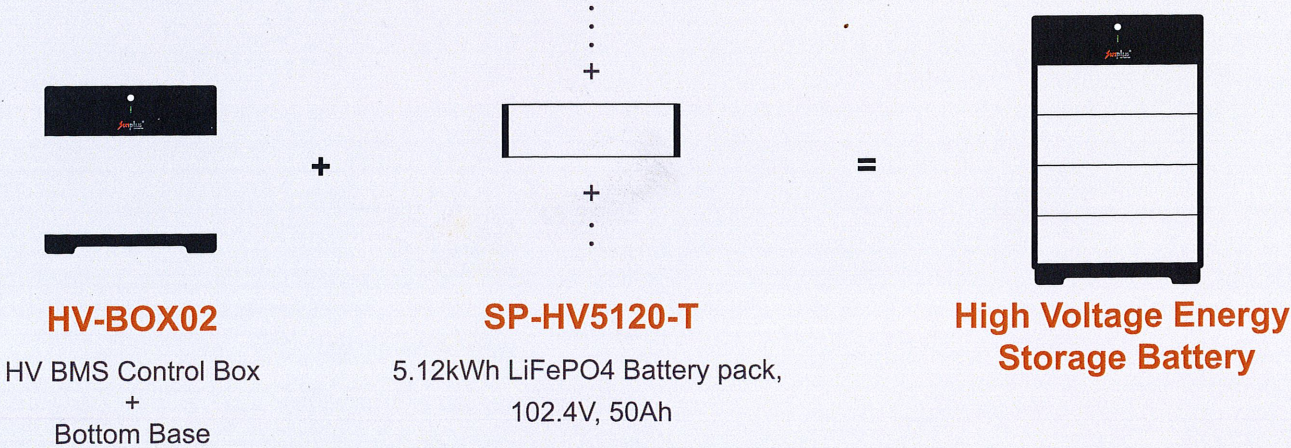


Modular Design & Easy Installation



- 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



SP-HV5120-T Series / 5-30kWh

Residential&Commercial High Voltage Lithium Battery



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

T1

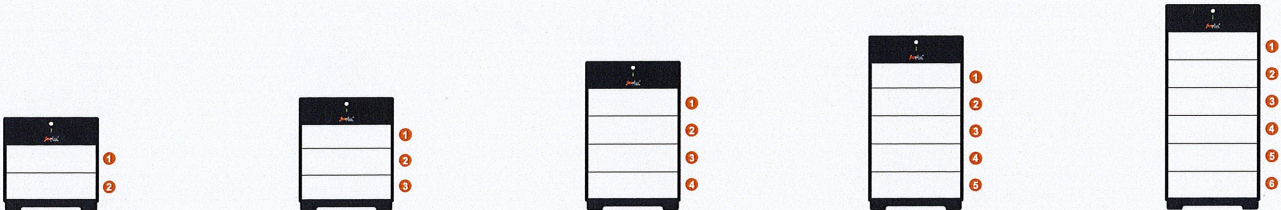
HV5120-T1 Specification



Product Name	HV Stacked LFP Battery
Module Model	SP-HV5120-T1
Battery Type	LFP 1P32S
Nominal Capacity	50Ah/5.12kWh
Usable Capacity	4.86kWh(95% DOD)
Nominal Voltage	102.4V
Working Voltage	91.2~115.2V
Charging Voltage	112V
Max. Charge/Discharge Current	25/40A
Communication	RS485, CAN, Wifi
Storage Temperature	0~45℃(Recommended)
Storage Humidity	≤85% (RH)
Working Temperature	Charge: -10~50℃ ; Discharge: -20~50℃
Working Humidity	≤95% (RH)
Working Altitude	≤2000m
Ingress Protection	IP65
Weight	17.8kg(HV-Box02)+44.5kg(Pack)
Dimension(W×D×H, mm)	636×330×453
Design Life	15 Years(25℃)
Cycle Life	>8000@25℃@0.5C
Scalability	Module: Max.6S, Max.6 in parallel (Max. Capacity 180kWh)
Certification	CE-EMC: IEC61000-6-1/3, CB: IEC62619, IEC60730, IEC62040, CE-RED, UN38.3, MSDS

T2-T6

Rechargeable Lithium Iron Phosphate Battery System



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

