

Optimize Energy · Optimize Life!

High voltage stack battery system



SPECIFICATION

Model	HV5120-SI-2S	HV5120-SI-3S	HV5120-SI-4S	HV5120-SI-5S	HV5120-SI-6S	HV5120-SI-7S	HV5120-SI-8S
Usable Energy	10.24 kWh	15.36 kWh	20.48 kWh	25.60 kWh	30.72 kWh	35.84 kWh	40.96 kWh
Nominal Capacity	50 Ah	50 Ah	50 Ah	50 Ah	50 Ah	50 Ah	50 Ah
Nominal Voltage	204.8 V	307.2V	409.6 V	512.0 V	614.4 V	716.8 V	819.2 V
Maximum Continuous Discharge Power	10.24 kW	15.36 kW	20.48 kW	25.60 kW	30.72 kW	35.84 kW	40.96 kW
Maximum Continuous Charge Power	10.24 kW	15.36 kW	20.48 kW	25.60 kW	30.72 kW	35.84 kW	40.96 kW
Net Weight	117kg	165kg	213 kg	261kg	309kg	357kg	405kg
Dimension 【W*D*H】 (mm)	636*330*628	636*330*816	636*330*1004	636*330*1192	636*330*1380	636*330*1568	636*330*1756
Protection Level	IP65/NEMA4	IP65/NEMA4	IP65/NEMA4	IP65/NEMA4	IP65/NEMA4	IP65/NEMA4	IP65/NEMA4
Calendar Life(Cycles) ^[1]	6000	6000	6000	6000	6000	6000	6000
Charging Temperature Range	-10~50°C	-10~50°C	-10~50°C	-10~50°C	-10~50°C	-10~50°C	-10~50°C
Disharging Temperature Range	-10~50°C	-10~50°C	-10~50°C	-10~50°C	-10~50°C	-10~50°C	-10~50°C
Storage Temperature	-30~60°C	-30~60°C	-30~60°C	-30~60°C	-30~60°C	-30~60°C	-30~60°C
Module Connection	series	series	series	series	series	series	series
Module Number	4	6	8	10	12	14	16
Communication	RS485/RS232/CAN 2.0						
Warranty	10 Years						
Compatible Inverter	(EPH4KTL-12KTL)						
Certification	CE, IEC62619, IEC63056, IEC/EN61000-6-2/3, UN38.3(upcpmng)						

ABOUT

HV5120-SI series is a high voltage battery that offers multiple energy storage options through an expandable modular design (2-10 modules combined), which further simplifies installation and O&M with multiple smart functions.

The safest battery cell technology (LFP) comes with a high charging rate, ensuring superior performance.



Original battery active balance technology



Easy installation with modular and stacked design



Flexible capacity options, 5.12kWh to 40.96kWh



Remote diagnosis and real-time data monitoring

[1] Maximum Continuous Discharge/Charge Power when communicate with inverter is 1C