

High Voltage Battery

HS5000



- Brand new A-grade LFP cells by world-renowned supplier.
- Using the self-developed BMS makes the battery more stable.
- A cycle life of 6000, 10 years of service life and 20 years of design life.
- IP65-rated, the battery can be installed both indoors and outdoors.
- Up to 6 batteries(28.8 kWh) can be used in one system.
- The quick self-guided connectors of the modules enable fast and fool-proof installation.
- Check the real-time status and data of the batteries on YelonESS APP.

Model		HS5000					
Main Parameter							
Cell Chemistry	LiFePO ₄						
Module Energy [kWh]	4.8						
Module Nominal Voltage [V]	96						
Module Capacity [Ah]	50						
Battery Module Qty in Series [Optional]	1	2	3	4	5	6	
System Nominal Voltage [V]	96	192	288	384	480	576	
System Operating Voltage [V]	84~648						
System Energy [kWh]	4.8	9.6	14.4	19.2	24	28.8	
Charge/Discharge Current [A] ^[1]	Recommend	25					
	Nominal	50					
	Peak [15S, 25°C]	60					
Working Temperature [°C]	Charge: 0~50/ Discharge: -15~50						
LCD Display	5 LED(SOC20%~SOC100%); 2 LED(working, alarming)						
Communication Port	CAN/RS485						
Humidity	5%~90%						
Altitude	≤4000m						
IP Rating	IP65						
Storage Temperature [°C]	0~35						
Dimension [WxHxD mm]	620X654X400	620X864X400	620X1074X400	620X1284X400	620X1494X400	620X1704X400	
Weight [kg]	92.2	148.2	204.2	260.2	316.2	372.2	
Installation	Floor-mounted						
Max. Depth of Discharge	95%						
Cycle Life	≥6000(25°C±2°C, 0.2C/0.2C, 80%DOD, 70%EOL)						
Warranty ^[2]	10 years						
Certification	CE/UN38.3/IEC62619/VDE2510-50/IEC62477/RoHS/REACH/WEEE						

[1] The current is affected by temperature and SOC.

[2] The warranty is due whichever reached first of warranty period or life cycle power.