








# High Voltage Battery

Yelon**ESS**

HS5000



-  Brand new A-grade LFP cells by Tier-1 automotive cell manufacturer.
-  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 <sub>4</sub>					
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] <sup>[1]</sup>	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 <sup>[2]</sup>		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.