








High Voltage Battery

YelonESS

HT5000



-  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.
-  3 Up to 3 batteries(14.4 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		HT5000		
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
System Nominal Voltage [V]		96	192	288
System Operating Voltage [V]		84~324		
System Energy [kWh]		4.8	9.6	14.4
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]		600×865±5×250	600×1295×250	600×1725×250
Weight [kg]		89.5	149.5	209.5
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		

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

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