









Low Voltage Battery

Yelon**ESS**

LW5000



-  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.
-  Internal aerosol fire-fighting module and heating module are optional.
-  Up to 16 batteries(81.92 kWh) can be used in one system.
-  Users can choose Wall-mounted or stack-up installation.
-  Check the real-time status and data of the batteries on YelonESS APP.

Model		LW5000
Main Parameter		
Cell Chemistry		LiFePO ₄
Capacity [Ah]		100
Scalability		Max. 16 pcs pack (81.92kWh) in parallel
Nominal Voltage [V]		51.2
Operating Voltage [V]		46~57.6
Nominal Energy [kWh]		5.12
Charge/Discharge Current [A] ^[1]	Recommend	50
	Max.	100
	Peak [15S, 25°C]	120
Other Parameter		
Max. Depth of Discharge		95%
Dimension [WxHxD mm]		600*430*143
Weight Approximate [kg]		45
Display		Numbers to show the SOC and codes to show the status
IP Rating		IP65
Operating Temperature		Charge: 0~50°C , Discharge: -20°C~50°C
Storage Temperature		0~35°C
Humidity		5%~95%
Altitude		≤4000m
Cycle Life		≥6000(25°C±2°C, 0.2C/0.2C, 80%DOD, 70%EOL)
Installation		Wall-mounted, Floor-mounted
Communication Port		CAN, RS485
Warranty Period ^[2]		10 years
Certification		CE/UN38.3/IEC62619/RoHS/REACH/WEEE

1] The current is affected by temperature and SOC.

[2] Conditions apply. Refer to YelonESS Warranty Letter.