

Low Voltage Battery

YelonESS

LR5000



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.

16

Up to 16 batteries(81.92 kWh) can be used in one system.



Users can choose floor-mounted or rack-mounted installation.



Check the real-time status and data of the batteries on YelonESS APP.

Model		LR5000
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]		442x133x500
Weight Approximate [kg]		41
LED Indicator		5 LED(SOC: 20%~SOC100%), 2 LED (working, alarming)
IP Rating		IP21
Operating Temperature		Charge: 0~50°C , Discharge: -15°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		Floor-Mounted, Rack-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.