



# Lithium-ion Battery

**5.12KWH 51.2V** Wall Mounted



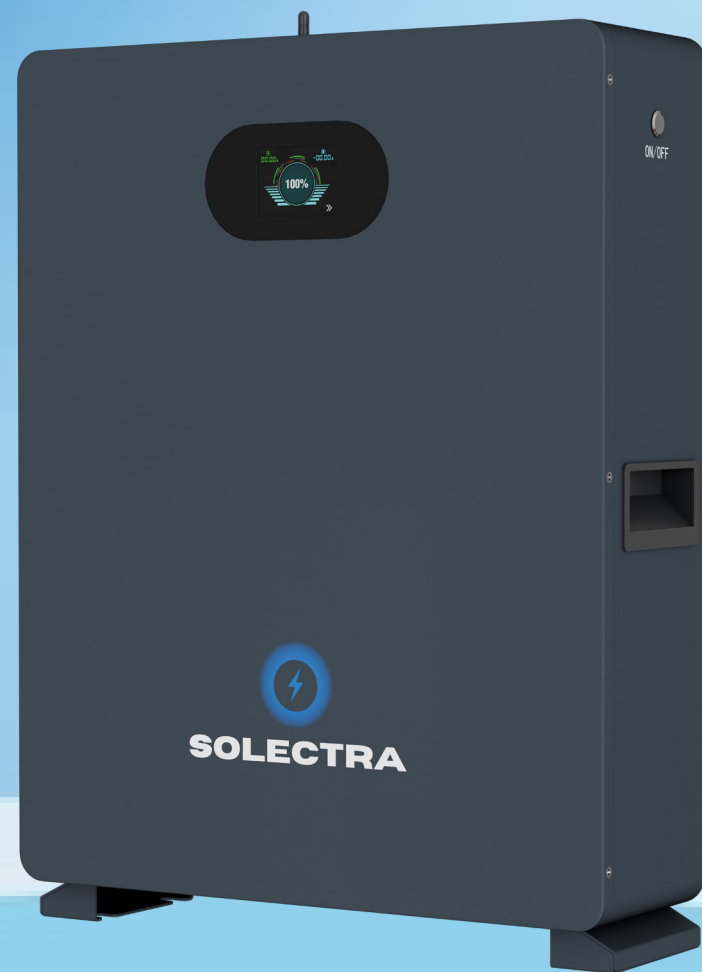
**6000 cycles at 90% DOD**



**1C/1C continual charge and discharge**



**Low voltage safety connection**



**Built-in Wifi**



**Superior LiFePO4 safety performance**



**Parallel upto 16**

Battery Model	ES-BOX12S	ES-BOX12
Battery Series & Parallel Mode	8S1P	16S1P
Battery Rated Voltage	25.6V	51.2V
Battery Rated Capacity	100Ah	100Ah
Battery Rated Energy	2.56 kWh	5.12 kWh
Recommended Operating Voltage Range	22.4V – 28.4V	44.8V – 56.8V
IP Rating	IP20	IP20
Max Continuous C Rating	1C	1C
Max Charging Current	100A	100A
Max Discharge Current	100A	100A
Charging Temperature Range	0°C – 55°C	0°C – 55°C
Discharge Temperature Range	-20°C – 55°C	-20°C – 55°C
Size (mm)	470 × 350 × 155 mm	600 × 480 × 150 mm
Weight (Kg)	38 Kg	50 Kg
Communication Methods	USB / RS485 / CAN	USB / RS485 / CAN
Recommended DOD	90%	90%
Max Parallel Units	16	16

\*Test Condition 80% DOD, 0.2C charge & discharge @ 25°C