

# First Solid-State Lithium-ion Battery ESS

## 5120M/10240M

**6000**  
Cycle Life@25°C

**Solid-State**  
LFP Battery Cells

**5120/  
10240Wh**  
Capacity

**1.5C**  
Discharging Rate

**7680/  
10200W**  
Peak Power

**Increase 8%**  
Energy Density

**No DIP  
Switch**  
Automatically Assign  
Module Address

**93%**  
Max Recommended DOD  
(Capacity)

- ▲ **Higher security**  
No format electrolyte&High temperature resistance
- ▲ **Higher energy density**  
Compatible with high-capacity electrode materials
- ▲ **Longer cycle life**  
More stable performance
- ▲ **Faster charging speed**  
High ion conductivity



## Technical Specifications

**VOLTUX**



Product Type	5120M	10240M
<b>Technical Specifications</b>		
Total Energy*	<b>5.1kWh</b>	<b>10.2kWh</b>
Usable Energy(DC)*	4.7kWh	9.4kWh
Max Charge Power	5.12kW	10.2kW
Max Discharge Power	7.68kW	10.2kW
Peak Power(Only Discharge)	8kW for 3s	8kW for 3s
Voltage	48-56Vd.c	
Nominal Voltage	51.2Vd.c	
Max Charge Voltage	57.6Vd.c	
Max Discharge Current	150A	150A
Max Charge Current	100A	120A
Weight	46kg	88kg
Dimension(mm) (L*W*H)	442*165*535mm	442*165*920mm
Max Recommended DOD	93%	
Operating Condition	Indoor	
Operating Temperature	Charge From 0-50°C	
	Discharge From -10-55°C	
WIFI Frequency Range	2400MHz-2483MHz	
Humidity	<60%(No condensed water)	
Over Voltage Category	II	
Cooling Type	Natural convection	
Case Material	Metal	
Color	Black or White	
Installation	Wall/Ground/Rack Mounting	
IP Rating	IP 20	
Max Connection Number	16P	
Communication	CAN/ RS485	
Protection Mode	Dual hardware protection	
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety	Cell UL 1973/CE	
Hazardous Material Classification	9	
Transportation	UN 38.3	
Product Warranty	10 years warranty, 6000 cycles life All information contained in this document is subject to change without notice 1)For better battery life cycles,we suggest charge in 0.5C @25°C 2)For better battery life cycles,we suggest discharge in 0.5C @25°C	

Testing conditions based on temperature 25°C at the beginning of life.

\*Total Energy/Usable Energy measured under specific conditions from 0.2C CC-CV.