

The most advanced Lithium Iron phosphate Module  
**For home and industrial energy storage systems**



One product suitable for  
Low Voltage **44.8V – 57.6V**  
Inverters.



**Wall Mounted, floor  
mounted, Stackable,**  
parallel application.



**High Capacity** thanks  
to expandible and simple  
configuration.



**Built in Wifi** for  
Monitoring & Remote  
Maintenance.



**5 Year** Parts/Replacement  
Warranty & Lifetime Free  
Service Warranty

\*Terms & Conditions Apply



<b>Model</b>	<b>SM-LFP-5.12K</b>
<b>Battery System Capacity (kWh)</b>	5.12 kWh
<b>Single Module Nominal Voltage (V)</b>	51.2 V
<b>Application</b>	Low Voltage
<b>Parallel Application</b>	Up to 15 Packs (follow the parallel procedure)
<b>Cluster Net Capacity</b>	76.8kwh per LV System
<b>BMS Voltage Range (V)</b>	44.8V – 57.6V
<b>Cell Capacity (Ah)</b>	100
<b>Charge / Discharge Current (A)</b>	100
<b>DoD% (Up to)</b>	90%
<b>Battery Protection</b>	Over Charge/Over Discharge/Over Temperature/Over Current/Short Circuit
<b>Communication Port</b>	Can, RS485, RS232,
<b>Remote Monitoring &amp; Setting</b>	Wifi, Bluetooth
<b>Discharge Temperature /°C**</b>	-20 ~ 55
<b>Charge Temperature /°C**</b>	0 ~ 55
<b>IP Rating</b>	IP20
<b>Altitude (m)</b>	<3000
<b>Cycle Life</b>	>6000 / 25°C SOH 80%
<b>Features</b>	Pre-Charge+Fuse LV+ Auto Contactor + BMS+ Multi BMS FW management
<b>Installation</b>	Wall Mounted/Floor Mounted/Stacked
<b>Dimension (WxDxH mm)</b>	556x576x154.5
<b>Weight (Kg)</b>	49KG
<b>Certification</b>	UN38.3

See Performance Warranty Terms and the Standard Test Conditions "STC" for operative temperature and standard current.

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