

# LITHIUM-ION BATTERY

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



One product suitable for two applications **LV and HV**.  
Fast connections



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



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



**Wireless monitoring** for real time intervention and maintenance.



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

\*Terms & Conditions Apply



<b>Model</b>	<b>SM-DUAL-LFP-5.37K</b>
<b>Battery System Capacity (kWh)</b>	5.37 kWh
<b>Single Module Nominal Voltage (V)</b>	51.2 V
<b>Application</b>	Dual Voltage LV/HV
<b>Expandibility</b>	HV Mode: Max 16 Modules in Series with Single HV Box = One HV Cluster LV Mode: Max 15 Modules in Parallel without LVHub = One LV Cluster
<b>Cluster Net Capacity</b>	Max 144 Modules per HV System / Max 100 Modules per LV System
<b>BMS Voltage Range (V)</b>	45.5V – 58.4V
<b>Cell Capacity (Ah)</b>	105
<b>Usable Capacity (Ah)</b>	100
<b>Dimension (WxDxH mm)</b>	580x463x155
<b>Weight (Kg)</b>	57.3
<b>Charge / Discharge Current (A)</b>	100
<b>DOD% (Up to)</b>	100%
<b>Communication Port</b>	RS485, CAN, 232, Wifi
<b>Discharge Temperature /°C**</b>	-20 ~ 55
<b>Charge Temperature /°C**</b>	-10 ~ 55
<b>Shelf Temperature/°C</b>	-10 ~ 50
<b>IP Rate</b>	IP20
<b>Altitude (m)</b>	<3000
<b>Cycle Life</b>	>7000 / 25°C
<b>Features</b>	Pre-Charge+Fuse LV+ Fuse HV+ Auto Contactor + Dual BMS+ Multi BMS FW management
<b>Authentication Level / Standards</b>	EN IEC 61000 – 6 – 1 : 2019 EN IEC 61000 – 6 – 2 : 2019 EN IEC 61000 – 6 – 3 : 2019 EN IEC 61000 – 6 – 4 : 2019 IEC62619/UL1973 CE/UN38.3 IEC 62368-1 RoHS Compliance
	Applicability for Low Voltage and High Voltage systems, Four protections levels with HV BOX, real time balancing, Adaptive charge /discharge CAN logic, 3 steps adaptive charging logic, 2xDI/DO programmable, Mobile APP for monitoring and remote control, update, debug, data save.

See warranty terms for performance warranty applicability

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

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