

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



Model	SM-DUAL-LFP-5.37K
Battery System Capacity (kWh)	5.37 kWh
Single Module Nominal Voltage (V)	51.2 V
Application	Dual Voltage LV/HV
Expandibility	HV Mode: Max 12 Modules in Series with Single HV Box = One HV Cluster LV Mode: Max 15 Modules in Parallel without LVHub = One LV Cluster
Cluster Net Capacity	64kwh per HV System / 80kwh per LV System
BMS Voltage Range (V)	45.5V – 58.4V
Cell Capacity (Ah)	105
Usable Capacity (Ah)	100
Dimension (WxDxH mm)	474x170x580
Weight (Kg)	54KG
Charge / Discharge Current (A)	100
DoD% (Up to)	95%
Communication Port	RS485, CAN, 232, Wifi
Discharge Temperature /°C**	-20 ~ 55
Charge Temperature /°C**	0 ~ 55
Storage Temperature/°C	-10 ~ 50
IP Rating	IP20
Altitude (m)	<3000
Cycle Life	>7000 / 25°C
Features	Pre-Charge+Fuse LV+ Fuse HV+ Auto Contactor + Dual BMS+ Multi BMS FW management
Compliant with Standards	EN IEC 61000 – 6 – 1 : 2019 EN IEC 61000 – 6 – 2 : 2019 EN IEC 61000 – 6 – 3 : 2021 EN IEC 61000 – 6 – 4 : 2019 IEC62619/UN38.3 IEC 62368-1 RoHS Compliant
	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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