Battery Box

BATTERYBOX
LV5.0

KEY FEATURES

Safety
· Self-developed LFP Battery
· Safety Proved by Millions of Electric Vehicles

Reliability
· LFP R&D Started from 2002
· 1.000.000+ Systems in 100+ Countries

High Usable Capacity
· 100% Usable Capacity

Flexibility
· Modular Design
· Expand Anytime

Intelligent Management
· Monitoring and Analysis
· Remote Diagnosis and OTA

One-button Adaptation
· One-click Auto-configuration of Compatible Inverters

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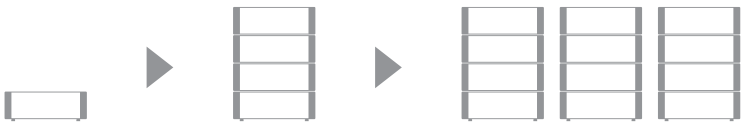

1 x LV5.0 | 4 x LV5.0 | 4 x LV5.0 x 8

Maximum capacity of

160 kWh

TECHNICAL PARAMETERS **LV5.0**

PERFORMANCE	LV5.0
Usable Energy [1]	5 kWh
Max.Charge and Discharge Current [2][3]	70 A
Peak Charge and Discharge Current [3]	200 A,10 s
Dimension(HW/D)	195 x 595 x 255 mm
Weight	42 kg
Nominal Voltage	51.2 V
Operating Voltage	40 - 57.6 V
Charge Cut-Off Voltage	57.6 V
Discharge Cut-Off Voltage	40 V
Scalability	Max. 32 in Parallel (160 kWh)
Installation Mode	Floor installation
Communication	CAN / RS485 / Bluetooth / Wi-Fi
Round-trip Efficiency	≥ 95%
Applications	On Grid / On Grid + Backup / Off Grid
Operating Temperature	Charge 0~50°C & Discharge -20~50°C
Protection Class	IP20
Storage Humidity	5%~95%
Altitude	< 4000 m
Certification	CE / IEC62619 / UN38.3 / RED
Compatible Inverter	victron energy, Deye, solis, MEGAREVO, SMA, Voltronic Power, phocos

[1] Test conditions: 100% DOD, 0.2C charge & discharge at 25°C. System Usable Energy may vary with different inverter brands.
[2] Charge derating will occur between 0°C and +10°C.
[3] The current varies with different compatible inverters.

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