



Battery
Box

BATTERYBOX LV5.0

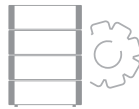


KEY FEATURES



Safety

LFP cells developed in-house
Proven in millions of EVs



Reliability

LFP expertise since 2002
1M+ systems in 100+ countries



High Usable Capacity

100% usable capacity



Flexibility

Modular design
Expandable anytime



Intelligent Management

Monitoring and analysis
Remote diagnosis and OTA



One-button Adaptation

One-click auto-configuration
of compatible inverters

BATTERYBOX LV5.0



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
Dimensions(H/W/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 Stand
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
Compatible Inverters	

[1] DC Usable Energy, Test conditions: 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.