



**Battery
Box**

BATTERYBOX LV FLEX LITE



KEY FEATURE



Safety

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



Reliability

- LFP R&D Started from 2002
- 1,000,000+ Systems in 90+ Countries



High Usable Capacity

- 100% Usable Capacity



Easy Installation

- Pre-wired Cabinet
- 3U Format Modular Battery



Perfect Compatibility

- Compatible with Leading Single & Three Phase Inverter

BATTERYBOX LV FLEX LITE



1 x LV Flex Lite



4 x LV Flex Lite



64 x LV Flex Lite

TECHNICAL PARAMETERS LV FLEX LITE



PERFORMANCE

LV FLEX LITE

Usable Energy ^[1]	5.0 kWh
Max Cont. Output Current ^[2]	70 A
Peak Output Current ^[2]	105 A, 5 s
Dimensions(H/W/D)	132 x 482 x 521 mm
Weight	47 kg

GENERAL DATA

Nominal Voltage	51.2 V
Operating Voltage	43.2 - 57.6 V
Operating Temperature	-10°C to +50°C
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)
Communication	CAN
Enclosure Protection Rating	IP20
Round-trip Efficiency	≥ 95%
Scalability	Max. 64 in Parallel (320 kWh)
Certification	IEC62619 / CE/UN38.3 / IEC62040
Compatible Inverters	      
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty	10 years
Installation method	With / Without Rack

OPTIONAL ACCESSORIES — PRE-WIRED LV FLEX LIET CABINET

Capacity	Maximum 4 modules in one cabinet
Weight	35 kg
Dimensions (H/W/D)	600 x 600 x 800 mm
Warranty	3 years
Protection Rating	IP20

[1] DC Usable Energy, test conditions: 100% DOD, 0.2C charge & discharge at + 25°C. System Usable Energy may vary due to system configuration parameters.

[2] Charge derating will occur between -10°C and +15°C.