



**Battery
Box**

BATTERYBOX LV FLEX



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



1 x LV Flex



4 x LV Flex



64 x LV Flex



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TECHNICAL PARAMETERS LV FLEX






PERFORMANCE

LV FLEX

Battery Type	Lithium Iron Phosphate (LiFePO ₄)
Nominal Capacity	5.0 kWh
Usable Energy ^[1]	5.0 kWh
Max Cont. Output Current	70 A
Peak Output Current ^[2]	105 A, 5 s
Nominal Voltage	51.2 V
Operating Voltage	43.2 - 57.6 V
Rated DC Power	3.6 kW
Max. Charge and Discharge Power	5.4 kW
Max. Charge and Discharge Current	105 A
Short Circuit Current	2500 A
Round-trip Efficiency	≥ 95%

GENERAL DATA

Dimensions (H/W/D)	132 x 482 x 525 mm
Weight	47 kg
Operating Temperature	-10°C to +50°C
Communication	CAN
Protection Rating	IP20
Environment	Indoor
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty	10 years
Compatible Inverters	    GOODWE
Certification	IEC62619 / CE / UN38.3 / IEC62040 / CEC

ACCESSORIES — PRE-WIRED LV FLEX 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 with different inverter brands.

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