



Battery
Box

BATTERYBOX LV FLEX LITE



KEY FEATURES



Safety

LFP cells developed in-house
Proven in millions of EVs



Reliability

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



Easy Installation

Pre-wired cabinet
3U format modular battery



Perfect Compatibility

Compatible with leading single
& three phase inverters

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 Type	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	    GOODWE Deye ...
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty	10 Years
Installation method	With / Without Rack

OPTIONAL ACCESSORIES — PRE-WIRED LV FLEX LITE 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.