

BATTERY-BOX LV FLEX LITE

Description



- Perfect Battery for bespoke Projects and Integrated Systems
- Scalable from 5 kWh to 320 kWh
- Maximum Flexibility for any Application with up to 64 Modules Connected in Parallel
- Compatible with Market Leading 1 and 3 Phase Inverters
- Cobalt Free Lithium Iron Phosphate (LFP) Battery: Maximum Safety, Lifespan and Power
- Self-Consumption Optimization for Residential and
- Capable of High-Powered Emergency-Backup and Off-Grid Function
- Self-Consumption Optimization for Residential and Commercial Applications

TECHNICAL PARAMETERS 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) 132x 482 x 521 mm
Weight 47 kg
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

Applications ON Grid / ON Grid + Backup / OFF Grid

Compatible Inverters Refer to BYD Battery-Box LV Flex Lite Minimum Configuration List