

# 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