

# BATTERY-MAX LITE

- Modular concept with flexible capacity from 30 kWh to 5.76 MWh
- Compatible with leading inverter partners: Flexibility to combine the best components for the individual application
- Open battery interface to be integrated into any energy system
- Ultra safe (LFP) Blade Battery technology from the market leader: Maximum Safety, Life Cycle, and Power
- Easy to install. Compact, standardized outdoor cabinet
- Self consumption of renewable energy
- Powerboost and EV Charging Optimization
- Peak Shaving
- Back-Up and Off-Grid

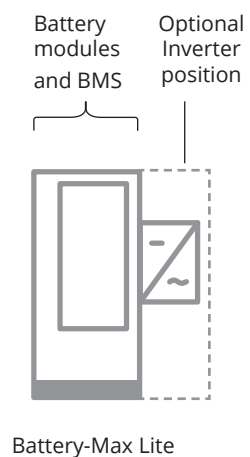


## BATTERY-MAX LITE

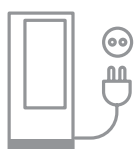
The Battery-Max Lite is the storage system that provides Commercial and Industrial (C&I) consumers with all performance they're looking for while also being easy to use and safe. It brings to the C&I field the strengths of the Battery-Box: plug and play design, safe battery chemistry, and top technical performance.

The Battery-Max Lite is designed to be „the“ battery in your energy system. By pairing with top-tier external inverters and offering an open interface for easy system integration, the Battery-Max Lite activates a vast number of business models. For instance, combining with renewable resources to maximize self-consumption, manage consumption peaks, backup or provide energy in other special use cases.

One Battery-Max Lite provides capacities of 30 to 90 kWh. Connecting up to 64 Battery-Max Lite in parallel allows for system capacities up to 5.76 MWh. The standardized outdoor design, allows for an easy and flexible positioning with optional hangers on the side for the inverter.



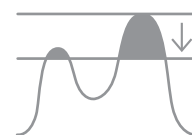
## FLEXIBLE, EFFICIENT, SIMPLE



Easy plug-in installation



10 years capacity warranty



Wide application range

## TECHNICAL PARAMETERS LITE



LITE 30 LITE 37.5 LITE 45 LITE 52.5 LITE 60 LITE 67.5 LITE 75 LITE 82.5 LITE 90

Battery Module	LITE Module (7.5 kWh, 76.8 V, 65 kg)								
Number of Modules	4	5	6	7	8	9	10	11	12
Usable Energy [1]	30 kWh	37.5 kWh	45 kWh	52.5 kWh	60 kWh	67.5 kWh	75 kWh	82.5 kWh	90 kWh
Nominal Voltage	307 V	383 V	460 V	537 V	614 V	691 V	767 V	844 V	921 V
Operating Voltage	259 ~ 355 V	324 ~ 444 V	389 ~ 532V	453 ~ 621 V	518 ~ 710 V	583 ~ 799 V	648 ~ 888 V	712 ~ 976 V	777 ~ 1065 V
Weight	660 kg	725 kg	790 kg	855 kg	920 kg	985 kg	1050 kg	1115 kg	1180 kg
Dimensions (H/W/D)	2100 x 1100 x 1400 mm								
Max Output Current [2]	100 A								
Peak Output Current [2]	170 A, 3s								
Operating Temperature	-20 °C to +50°C								
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)								
Communication	CAN / RS485(Modbus TCP)								
Enclosure Protection Rating	IP55								
Round-trip Efficiency	≥95%								
Certification	CE, UL 1973, UN 38.3, IEC 62619, UL9540 A								
Applications	ON Grid / ON Grid + Backup / OFF Grid / Black Start / Start from AC / Pre-charge Circuit								
Warranty [3]	Max 10 Years								
Compatibilities	Refer to BYD Battery-Max Lite Compatibility List								

[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] Power derating will occur between -20 °C and +5 °C

[3] Conditions apply. Refer to BYD Battery-Max Lite Limited Warranty Letter.

