



BATTERYMAX LITE



KEY FEATURES



Safety

LFP cells developed in-house
Proven in millions of EVs



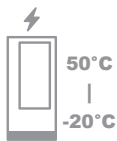
Reliability

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



Flexibility

Flexible capacity options 30kWh ~ 5.76MWh
Outdoor cabinet & indoor rack



High Performance

1C fast charging and discharging
Wide operating temperature



Easy Installation

Patented copper bar connection
Designed cable trunking for tidy appearance



Intelligent Management

Asset management
Battery working monitoring

BATTERYMAX LITE



LITE 30



LITE 90



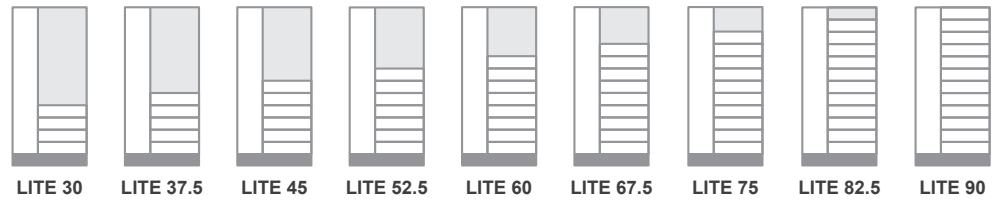
64 x LITE 90

Maximum capacity of

5.76 MWh



TECHNICAL PARAMETERS LITE



PERFORMANCE

Battery Module	LITE Module (7.5 kWh, 76.8 V, 75 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 ~ 532 V	453 ~ 621 V	518 ~ 710 V	583 ~ 799 V	648 ~ 888 V	712 ~ 976 V	777 ~ 1065 V
Weight	700 kg	775 kg	850 kg	925 kg	1000 kg	1075 kg	1150 kg	1225 kg	1300 kg

GENERAL DATA

Dimensions (H/W/D)	2205 x 920 x 1300 mm
Max Output Current ^[2]	100 A
Peak Output Current ^[2]	170 A, 3 s
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 / UN 38.3 / IEC62040 / IEC 62619
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 BatteryMax 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 BatteryMax Lite Limited Warranty Letter.