



**Battery
Box**

BATTERY-MAX LITE



KEY FEATURES



Safety

LFP cells developed in-house
Proven in millions of EVs



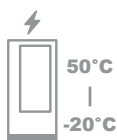
Reliability

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



Flexibility

Flexible capacity options 30kWh ~ 2.88MWh



High Performance

1C fast charging and discharging
Wide operating temperature range



Easy Installation

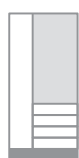
Patented copper bar connection
Designed cable trunking for tidy appearance



Intelligent Management

Asset management
Battery working monitoring

BATTERY-MAX LITE



LITE 30



LITE 90



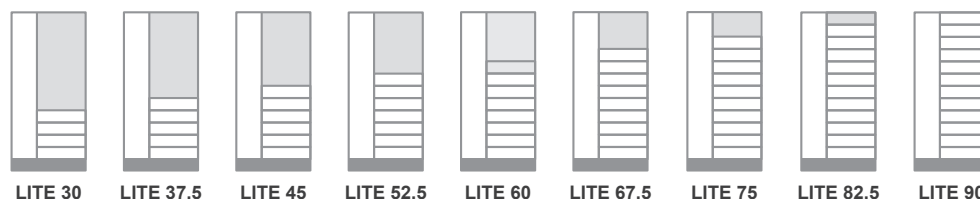
32 x LITE 90

Maximum capacity of

2.88 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
Warranty ^[3]	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.