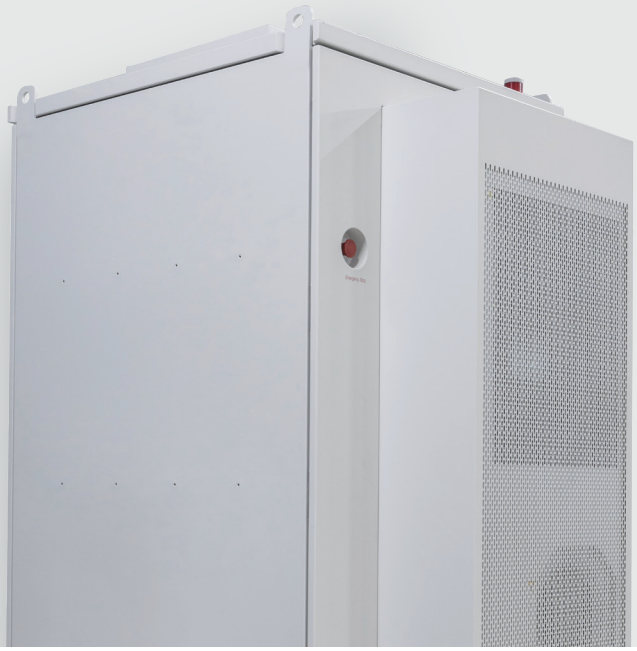
Energy Storage

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

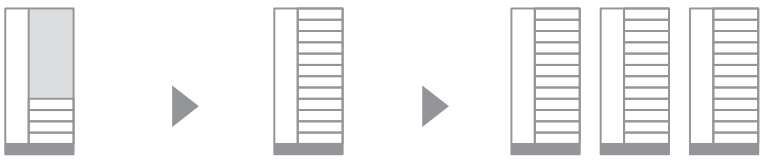
Flexibility
Flexible capacity options 30kWh ~ 900kWh

High Performance
Max. 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

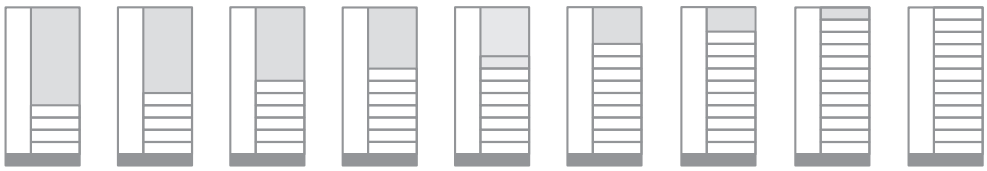


LITE 30 ▶ LITE 90 ▶ 10 x LITE 90

Maximum capacity of

900 kWh

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
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. Charge and Discharge Current [2]	100 A
Peak Charge and Discharge 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]	Max 10 Years
Compatibilities	Refer to BYD Battery-Max Lite Compatible 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] Max. charge and discharge current of each cabinet will be reduced to 70 A and 93 A when multiple cabinets are connected in parallel.
[3] Conditions apply. Refer to BYD Battery-Max Lite Limited Warranty Letter.

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