



**Battery  
Box**

# BATTERY-MAX LITE



## KEY FEATURES



### Safety

LFP cells developed in-house  
Proven in millions of EVs



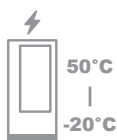
### Reliability

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

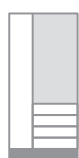
Patented copper bar connection  
Designed cable trunking for tidy appearance



### Intelligent Management

Asset management  
Battery working monitoring

## BATTERY-MAX LITE



LITE 30



LITE 90



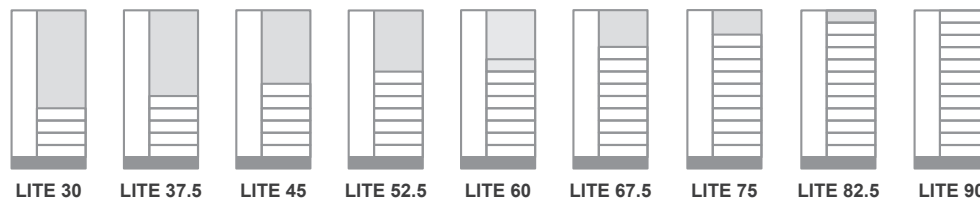
32 x LITE 90

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 <sup>[1]</sup> | 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 ~<br>355 V                       | 324 ~<br>444 V | 389 ~<br>532 V | 453 ~<br>621 V | 518 ~<br>710 V | 583 ~<br>799 V | 648 ~<br>888 V | 712 ~<br>976 V | 777 ~<br>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 <sup>[2]</sup>  | 100 A                                               |
| Peak Output Current <sup>[2]</sup> | 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 <sup>[3]</sup>            | 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.