



BATTERYMAX LITE

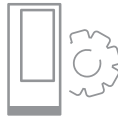


KEY FEATURES



Safety

LFP cells developed in-house
Proven in millions of EVs



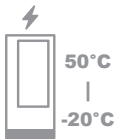
Reliability

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



Flexibility

Flexible capacity options 30kWh ~ 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

BATTERYMAX LITE



LITE 30



LITE 90

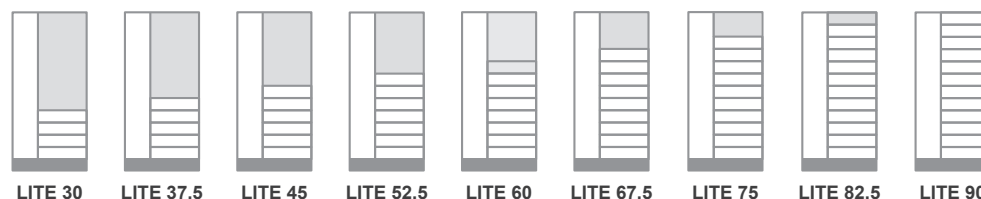


32 x LITE 90

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 / Start from AC / Pre-charge Circuit |
| 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.