

IBS-LilonMS90/48-RS485

48V 90Ah LiFePO4 Battery



CHARGE SPECIFICATIONS

| | |
|--------------------------------|-------------------------------|
| Recommended Charge Current | 40A-100A |
| Maximum Charge Current | 100A |
| Charge Current (-20 to -10 °C) | ≤0.05C |
| Recommended Charge Voltage | 56.8V-58.4V |
| BMS Charge Voltage Cut-Off | 62.4V (3.9 ±0.025VPC, 1~1.5s) |
| Reconnect Voltage | 60.8V (3.8 ±0.05V/C) |

DISCHARGE SPECIFICATIONS

| | |
|--------------------------------------|--------------------------------|
| Maximum Continuous Discharge Current | 100A |
| Peak Discharge Current | 200A (<10s) |
| BMS Discharge Current Cut-Off | 550A (±20A, 9±2ms) |
| Recommended Low Voltage Disconnect | 40V |
| BMS Discharge Voltage Cut-Off | 32.0V (2.0±0.05V/C, 120~180ms) |
| Reconnect Voltage | 36.8V (2.3±0.1V/C) |

TEMPERATURE SPECIFICATIONS

| | |
|-------------------------------|----------------------------|
| Discharge Temperature | -20 to 60°C (-4 to 140 °F) |
| Charge Temperature | 0 to 45°C (32 to 113 °F) |
| Storage Temperature (1month) | -20 to 60°C (-4 to 140 °F) |
| Storage Temperature (3months) | -20 to 45°C (-4 to 113 °F) |
| Storage Temperature (6months) | -20 to 25°C (-4 to 77 °F) |

SPEC-IBS-LilonMS90_48-RS485_e

ELECTRICAL SPECIFICATIONS

| | |
|---------------------|--------------------------|
| Model | IBS-LilonMS90/48 |
| Nominal Voltage | 51.2V |
| Nominal Capacity | 90Ah |
| Energy | 4608Wh |
| Self Discharge | <3%/month |
| Parallel Connection | Max. 15units in parallel |

MECHANICAL SPECIFICATIONS

| | |
|------------------------|---------------|
| Dimensions (L x W x H) | 461*394*223mm |
| Weight | 55kg |
| Terminal Type | M8 |
| Case Material | Iron |
| Enclosure Protection | IP54 |
| Cell Type - Chemistry | Cylindrical |
| Chemistry | LiFePO4 |

COMPLIANCE SPECIFICATIONS

| | |
|-------------------------|------------------|
| Certifications | CE, UN38.3, MSDS |
| Shipping Classification | UN3480, Class 9 |

DIMENSION SPECIFICATION

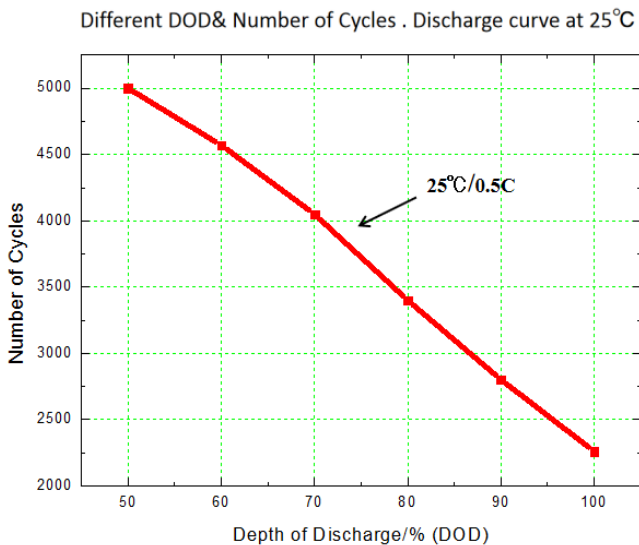
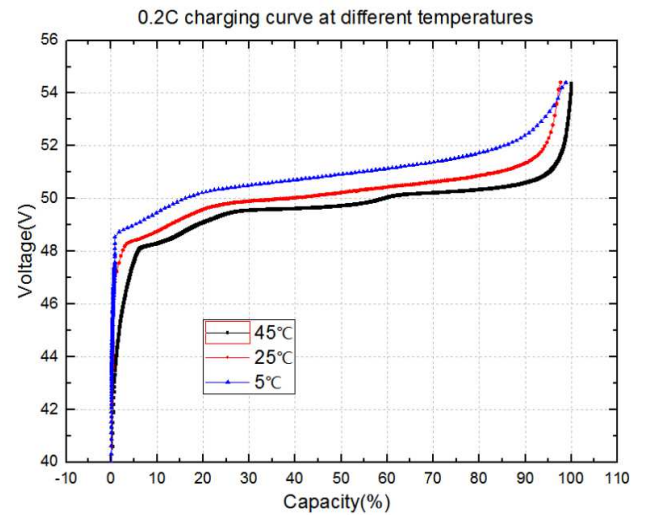
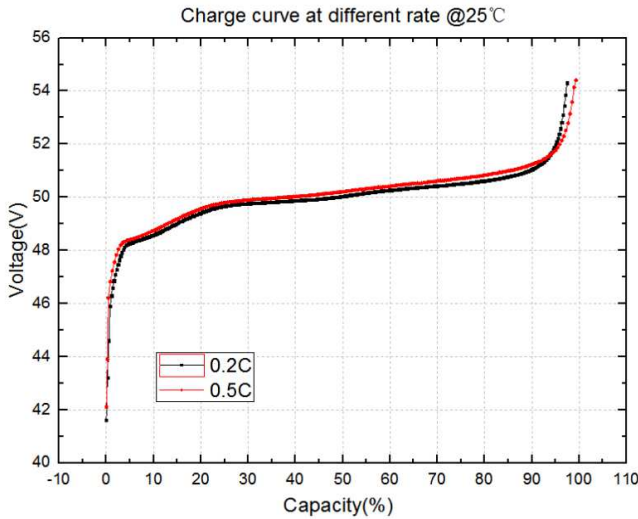
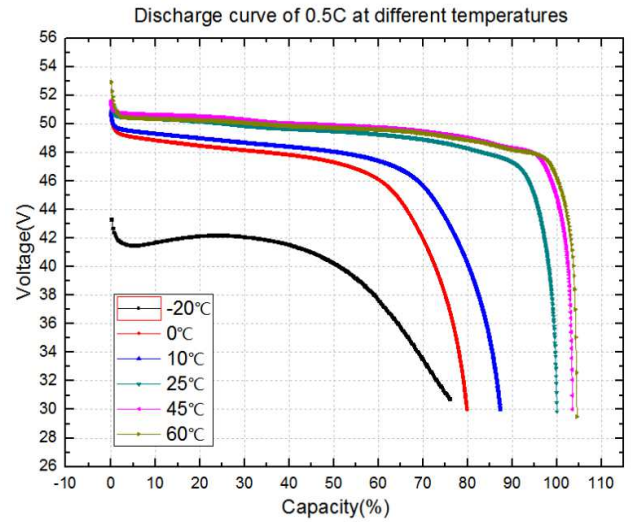
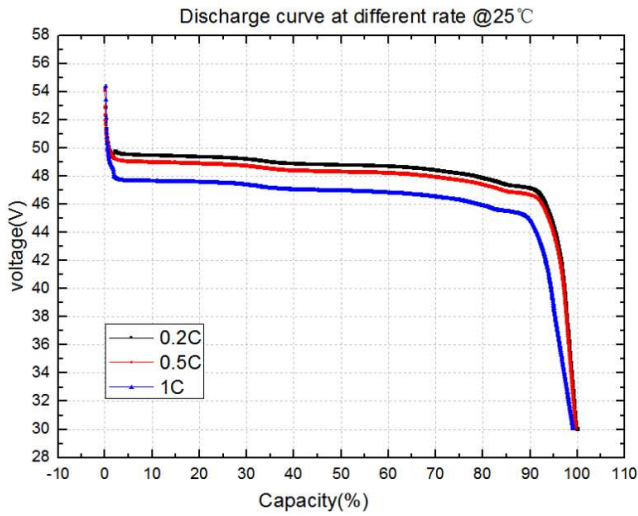


51.2V90AH
16S15P
32700/6AH

IBS-LilonMS90/48

48V 90Ah LiFePO4 Battery

PERFORMANCE CHARACTERISTICS



SPEC-IBS-LilonMS160/24_e