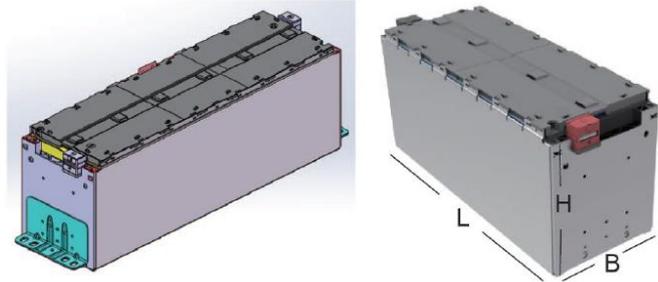


Lithium-Ion-Module

EP-LFP277Ah-Standardmodul

Advantage

- Recharges much faster
- Low self discharge
- Incredible small size
- Longer service life
- Less weight
- High rigidity



Lithium-ion battery module for use in electric powered mobilities. The system consists of Lithium-Ion-Cells, connected in series to reach the system voltage. The battery system voltage can be verified by different combination of modules.

| No. | Items | | EP-LFP277Ah STANDARD MODUL | | | | Note |
|-----|--------------------------------------|-----|----------------------------|-----------|------------|------------|-------------------------------------|
| | | | 277Ah1p6s | 277Ah1p8s | 277Ah1p11s | 277Ah1p12s | |
| 1 | Nominal Voltage (V) | | 19.32 | 25.76 | 35.42 | 38.64 | |
| 2 | Voltage (V) | min | 12 | 16 | 22 | 24 | T > 0°C |
| 3 | | max | 21.9 | 29.2 | 40.15 | 43.8 | |
| 4 | Nominal capacity (Ah) | | 277 | 277 | 277 | 277 | 1/3C 100%DoD |
| 5 | Nominal energy (kWh) | | 5.352 | 7.136 | 9.811 | 10.216 | 1/3C 100%DoD |
| 6 | Group mode | | 1p6s | 1p8s | 1p11s | 1p12s | |
| 7 | End of life residual capacity (Ah) | | 221.6 | | | | 80%DoD |
| 8 | Modul weight (kg) | | 40.78 | 44.92 | 61.32 | 67.94 | |
| 9 | Max continuous charge current (A) | | 277 | | | | |
| 10 | Max continuous discharge current (A) | | 277 | | | | |
| 11 | Max pulse discharge current (<180s) | | 554 | | | | |
| 12 | SOC operating range (%) | | 10-100 | | | | |
| 13 | Insulation requirements (MOhm) | | ≥20 | | | | |
| 14 | Modul cooling method | | Natural cooling | | | | PTC heater or watercooled plate |
| 15 | Modul heating method | | No | | | | |
| 16 | Shipping capacity (SOC) | | 50% ±6% | | | | SOC is consistent in the same batch |
| 17 | Dimension L (mm) | | 482.1 | 677.6 | 892.1 | 963.6 | Without bracket |
| | Dimension B (mm) | | 180 | 180 | 180 | 180 | |
| | Dimension H (mm) | | 225 | 225 | 225 | 225 | |