

DRIVE MOTION LITHIUM DATA SHEET



LFP12.8V24AH



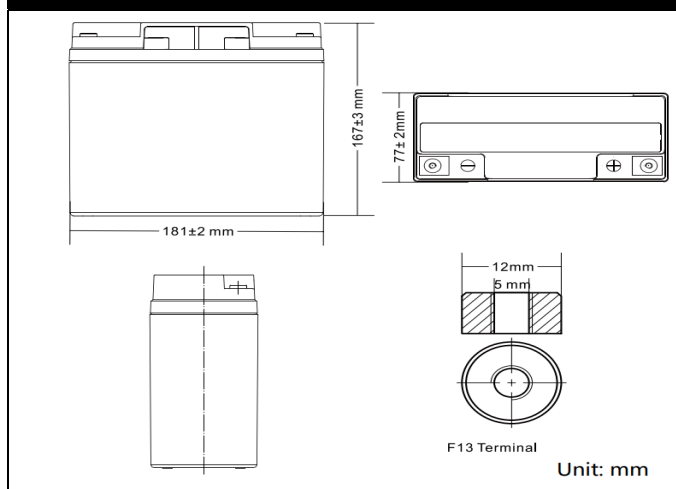
| Electrical Specifications | |
|---------------------------|-----------------|
| Nominal Voltage | 12.8 V |
| Nominal Capacity | 24 Ah |
| Energy | 307,5 Wh |
| Self Discharge | ≈3% per month |
| Efficiency | >98% |
| Parallel Support | Yes, Max 2 Sets |
| Series Support | Yes, Max 4 Sets |

| Discharge Specifications | |
|--------------------------|------------|
| Max. Discharge Current | 24 A |
| End of Discharge Voltage | 11.2 V |
| Pulse Discharge Current | 50 A @ 10s |
| Low Voltage Disconnect | 10 V |
| Low Voltage Reconnect | 11.2 V |

| Charge Specifications | |
|------------------------------|------------|
| Charging Voltage | 14.6 V |
| Max. Charging Current | 24 A |
| Recommended Charging Current | 6 A - 12 A |
| High Voltage Disconnect | 14.8 V |
| High Voltage Reconnect | 13.8 V |

| Temperature Specifications | |
|-----------------------------|-------------------------------|
| Discharge Temperature | -20°C - +55°C (-4°F - +131°F) |
| Charge Temperature | 0°C - +55°C (32°F - +131°F) |
| Storage Temperature | -10°C - +45°C (14°F - +113°F) |
| High Temperature Disconnect | +75°C (+167°F) |
| High Temperature Reconnect | +70°C (+158°F) |
| Low Temperature Disconnect | -20°C (-4°F) |
| Low Temperature Reconnect | -15°C (5°F) |

Dimensional Specifications



Mechanical Specifications

| | |
|----------------------|--------------------------------------|
| Dimensions | 181 x 77 x 167 7.13 x 3.03 x 6.58 |
| Weight | 3.8 Kg (8.38 lbs) |
| Terminal Type | F13 |
| Terminal Torque | 3.9N/m |
| Enclosure Protection | IP65 |

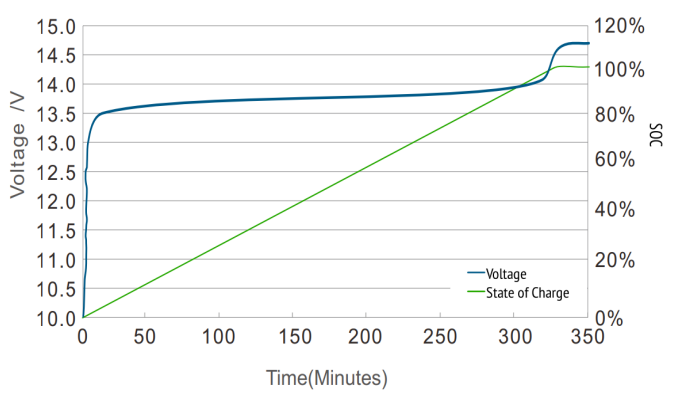
Conception & Compliance

| | |
|-------------------------|--|
| Conception | 4S4P |
| Cell Type | Grade A Cylindrical LiFePO4 cells, 32700 |
| Certifications | UN38.3 & CE (battery), UL1642 (cells) |
| Shipping Classification | UN 3480, CLASS 9 |

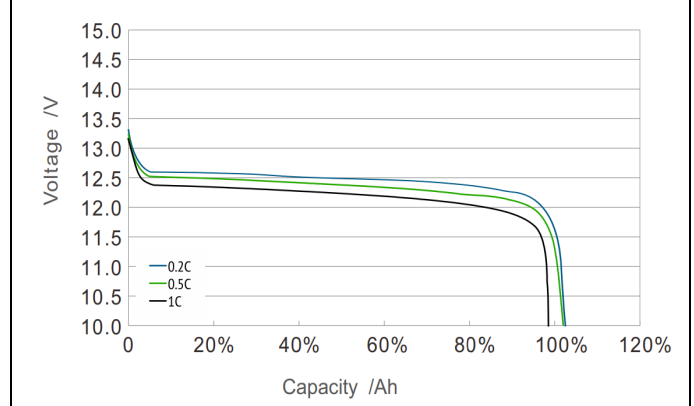
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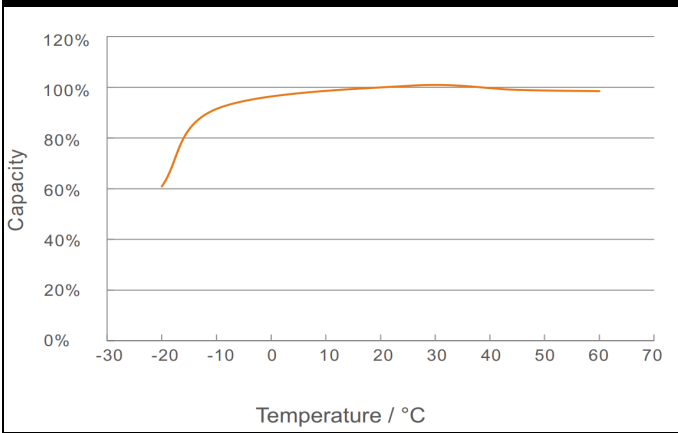
**Charge Voltage & State of Charge (SOC)
0.2C@25°C (77°F)**



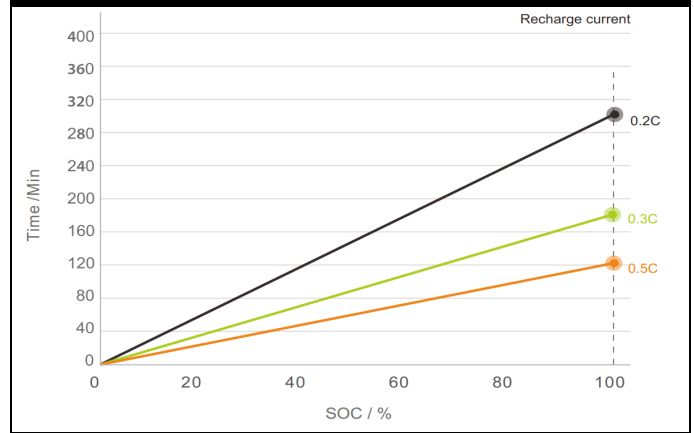
**Discharge Voltage Characteristics at
Various Rates 25°C (77°F)**



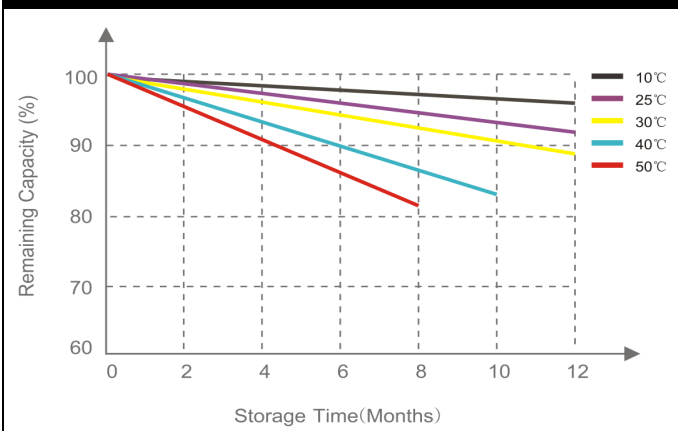
Capacity at Different Temperatures



Typical Recharge Time



Self Discharge Curve at Different Temperatures



Typical Cycle Life

