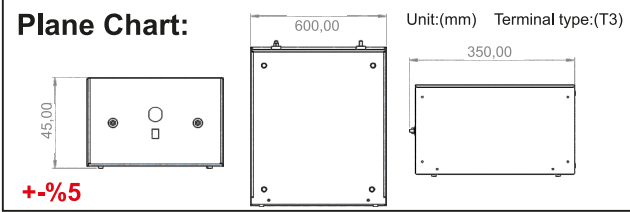


# 51.2 V 200 Ah LiFePO4



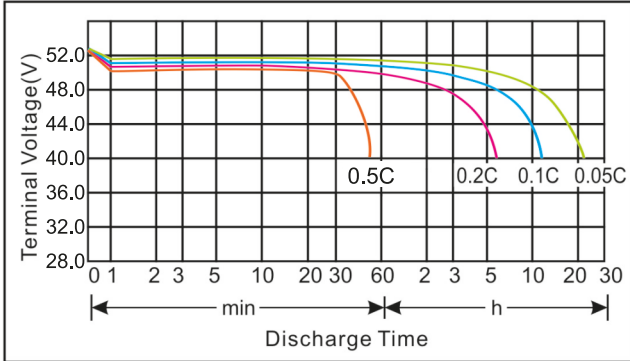
- Extremely durable and reliable
- High charging efficiency with high current
- Improved cycle life performance
- Improved 100% Domestic BMS Technology
- Vibration resistant (suitable for mobile applications)
- Series and parallel connection capability



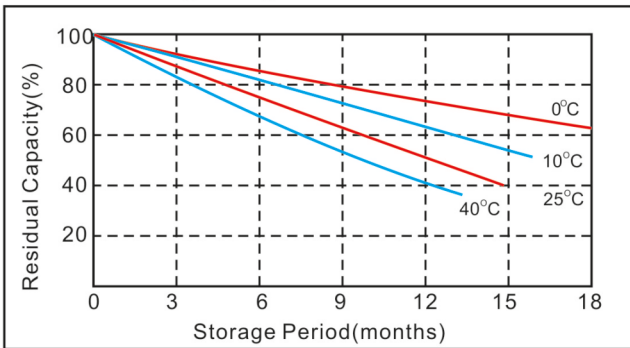
**Parameter Chart:**

| Volts                                      |  | 51.2 V  |  |
|--|--|---|--|
| Capacity(25°C)                             | 10 hours rate (20A)                          | 200Ah   |  |
| Internal Resistance                        | Full Charged Battery 25°C                    | ≤ 20mΩ  |  |
| Capacity Affected By Temperature (at 0.5C) | 40°C   | 101%  |  |
|  | 25°C   | 100 %   |  |
|  | 0°C  | 93 %  |  |
|  | -20°C  | 80 %  |  |
| Residual Capacity (25°C)                   | Capacity After 3 Months Storage              | 91 %  |  |
|  | Capacity After 6 Months Storage              | 82 %  |  |
|  | Capacity After 12 Months Storage             | 60 %  |  |
| Charge (Constant Voltage)                  | Cycle (25°C)                                 | Recommended Initial Charging Current Less Than 66A<br>Voltage 56,8 V - 58,4 V |  |
| Discharge Current (25°C)                   | 100A (Max. continuous) ;<br>200A (5 Seconds) |   |  |
| Weight (Approx)                            |  | 106kg +/- %2  |  |

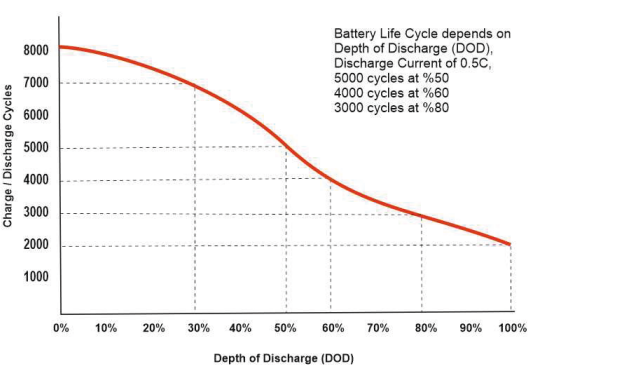
**Discharge Current 25°C**



**Residual Capacity**



**Cycle service life in relation to the depth of discharge**



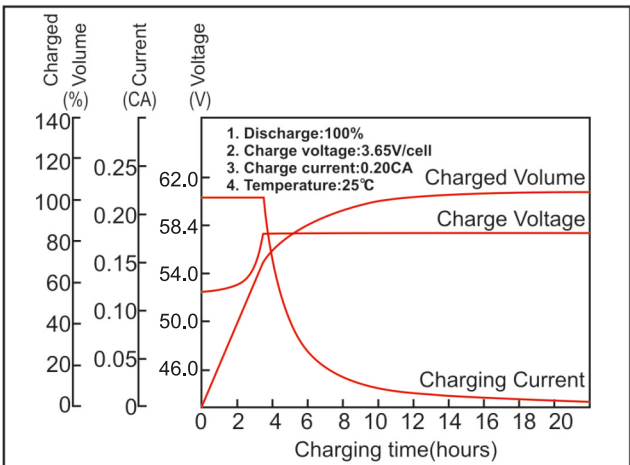
**Constant Current Discharge Characteristics (A, 25°C)**

| F.V/Time | 1h  | 2h | 3h   | 4h | 5h | 8h   | 10h | 20h |
|----------|-----|----|------|----|----|------|-----|-----|
| 40 V     | 100 | 50 | 33.3 | 25 | 20 | 12.5 | 10  | 5   |

**Constant Power Discharge Characteristics (Watt, 25°C)**

| F.V/Time | 1h   | 2h  | 3h  | 4h  | 5h  | 8h  | 10h | 20h |
|----------|------|-----|-----|-----|-----|-----|-----|-----|
| 40 V     | 1200 | 600 | 400 | 300 | 240 | 150 | 128 | 64  |

**Constant voltage charging characteristics**



**Capacity Factors With Different Temperature**

| Battery Type |        | -20°C | -10°C | 0°C | 5°C | 10°C | 20°C | 25°C | 30°C | 40°C | 45°C |
|--------------|--------|-------|-------|-----|-----|------|------|------|------|------|------|
| Li Battery   | 51.2 V | 73%   | 82%   | 93% | 95% | 97%  | 100% | 100% | 100% | 101% | 102% |

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.