ULTIMATRON FRANCE

LITHIUM IRON PHOSPHATE BATTERY
12.8V50Ah

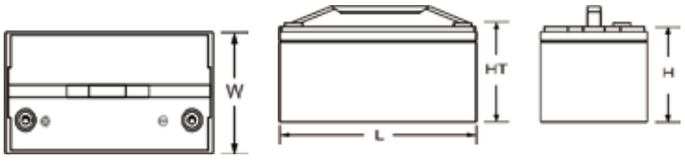
ADVANTAGES

- 3 year manufacturer's warranty
- The safest technology, without risk of fire or explosion
- Long service life
- Constantly improving storage capacity
- High stability even under extreme loads
- No memory effect, no need for full charge and discharge cycles
- High performance even under extreme conditions
- Deep and regular discharge and charging efficiency
- Small size and light weight

ELECTRICAL PERFORMANCE

Nominal Voltage	12.8 V
Nominal Capacity	50 Ah
Capacity @ 10A	300 min
Energy	640 Wh
Resistance	≤40 mΩ @ 50% SOC
Self Discharge	<3% / Month
Cells	32700 Cell 3.2V6Ah

OUTLINE DIMENSION



Dimensions	L197 * W166 * H171mm

CHARGE PERFORMANCE

Recommended Charge Current	10 A
Maximum Charge Current	25 A
Recommended Charge Voltage	14.6 V
Charge Cut-Off Voltage	<15.2 V (0.5 ~ 1.5 s)
Reconnect Voltage	>14.4 V
Balancing Voltage	<14 V
Maximum Batteries in Series	4 (Optional)

DISCHARGE PERFORMANCE

Continuous Discharge Current	25 A
Maximum contiuous Discharge Current	50 A
Peak Discharge Cut-Off Current	105 A (5 ~15 ms)
Recommended Low Voltage Disconnect	10 V
Discharge Cut-Off Voltage	>8.4 V (50 ~ 150 ms)
Reconnect Voltage	>10 V
Short Circuit Protection	200 ~ 600 μs

MECHANICAL PERFORMANCE

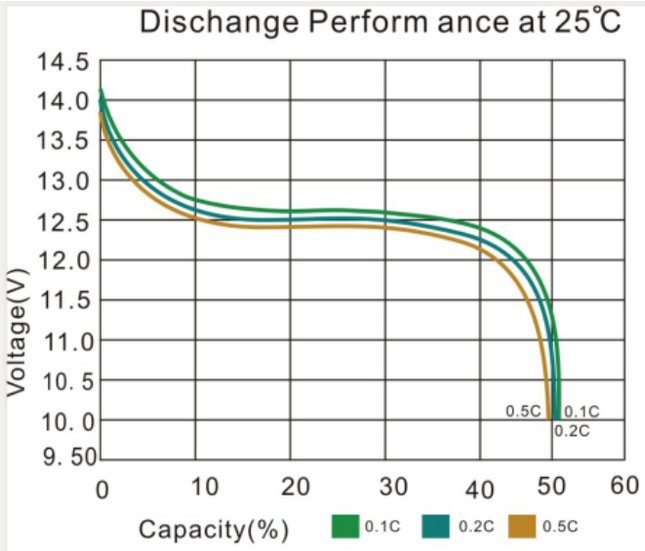
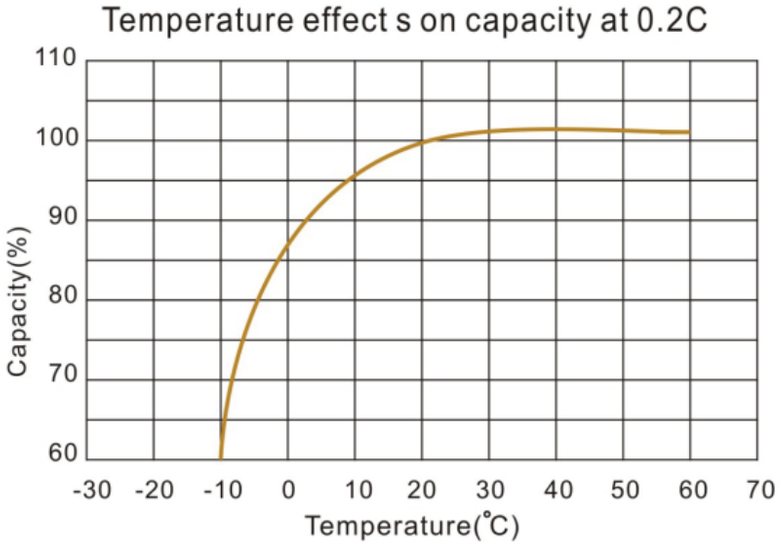
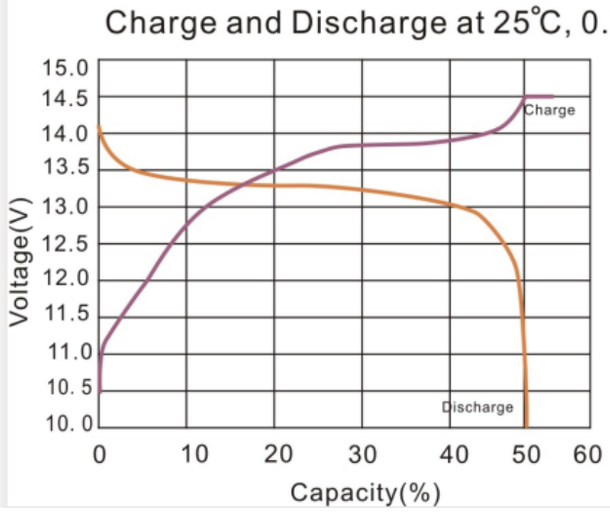
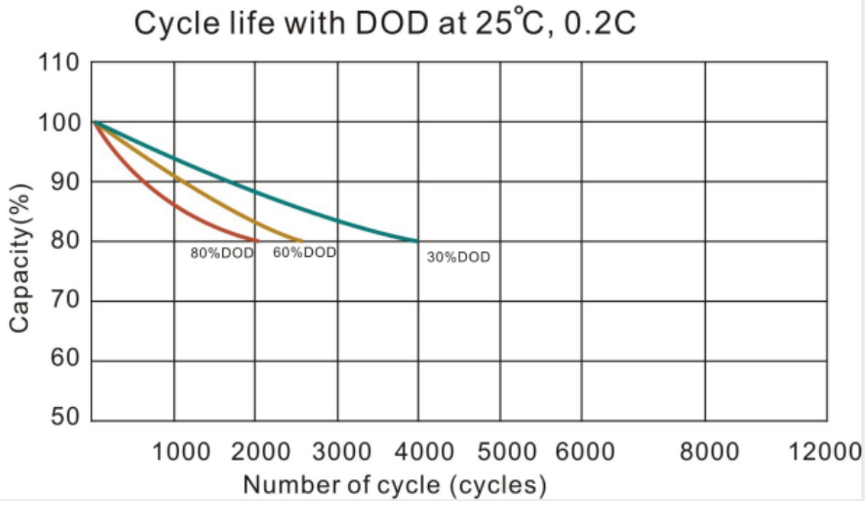
Dimension (L x W x H)	197 x 166 x171 mm
Approx. Weight	6.5 kg
Terminal Type	M6
Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
Case Material	ABS
Enclosure Protection	IP65

TEMPERATURE PERFORMANCE

Discharge Temperature	-4 ~ 140 ºF (-20 ~ 60 ºC)
Charge Temperature	32 ~ 113 ºF (0 ~ 45 ºC)
Storage Temperature	23 ~ 95 ºF (-5 ~ 35 ºC)
High Temperature Cut-Off	149 ºF (65 ºC)
Reconnect Temperature	118 ºF (48 ºC)

COMPLIANCE

Certifications	CE UN38.3 UL1642 & IEC62133
Shipping Classification	UN 3480, CLASS 9

Disclaimer: Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

PERFORMANCE CHARACTERISTICS