

## Lithium Iron Phosphate (LiFePO4) Battery

### VTM12100(12.8V100Ah)

#### ELECTRICALSPECIFICATIONS

|                                        |               |
|----------------------------------------|---------------|
| Nominal Voltage                        | 12.8V         |
| Nominal Capacity                       | 100Ah         |
| Capacity @ 50A                         | ≥100Ah        |
| Energy                                 | 1280Wh        |
| Resistance                             | ≤12 mΩ        |
| Efficiency                             | >99%          |
| Self-Discharge                         | <3% per Month |
| Maximum Modules in Series and Parallel | 4S4P          |

#### DISCHARGE SPECIFICATIONS

|                                      |                    |
|--------------------------------------|--------------------|
| Maximum Continuous Discharge Current | 100A               |
| Peak Discharge Current               | 500A (3s)          |
| Recommended Discharge end Voltage    | 11 V               |
| BMS Discharge Cut-Off Voltage        | 8.8 V (2.2 ±0.1 v) |

#### TEMPERATURE SPECIFICATIONS

|                       |             |
|-----------------------|-------------|
| Discharge Temperature | -20 to 60°C |
| Charge Temperature    | 0 to 50°C   |
| Storage Temperature   | 10 to 40°C  |

#### MECHANICAL SPECIFICATIONS

|                        |                                           |
|------------------------|-------------------------------------------|
| Dimensions (L x W x H) | L : 307±2mm<br>W : 168±2mm<br>H : 212±2mm |
| Weight                 | 10.6 kgs                                  |
| Terminal Type          | M8                                        |
| Case Material          | ABS                                       |
| Enclosure Protection   | IP65                                      |
| Cell Type              | Prismatic                                 |
| Chemistry              | LiFePO4                                   |

#### CHARGE SPECIFICATIONS

|                            |                    |
|----------------------------|--------------------|
| Recommended Charge Current | 20A                |
| Maximum Charge Current     | 100A               |
| Recommended Charge Voltage | 14.4V              |
| BMS Charge Voltage Cut-Off | 15 V (3.75±0.05 v) |

#### COMPLIANCE SPECIFICATIONS

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

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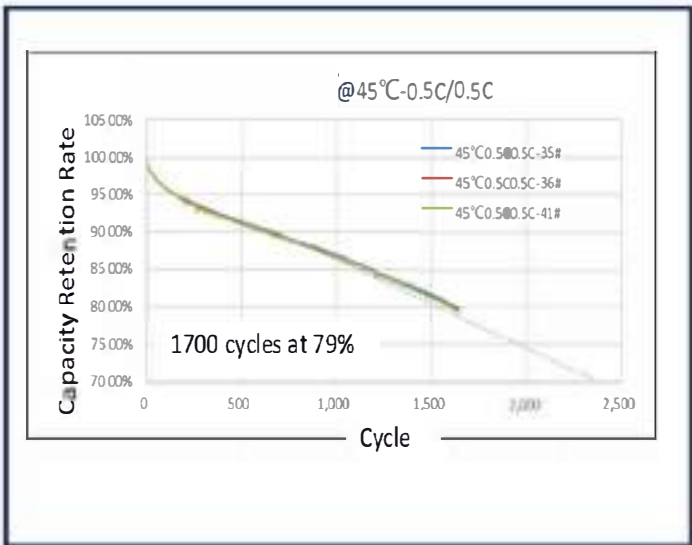
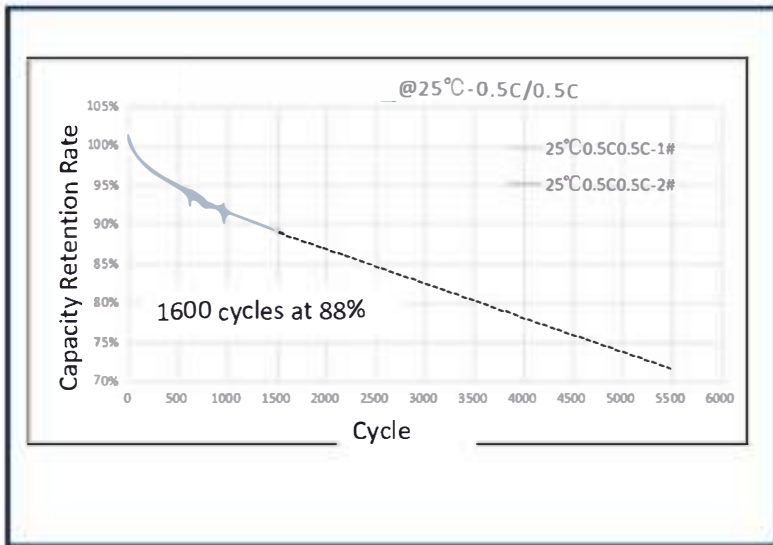
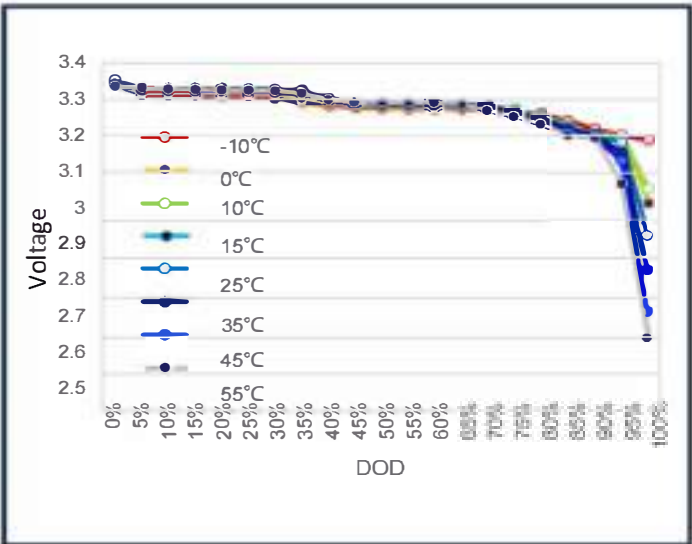
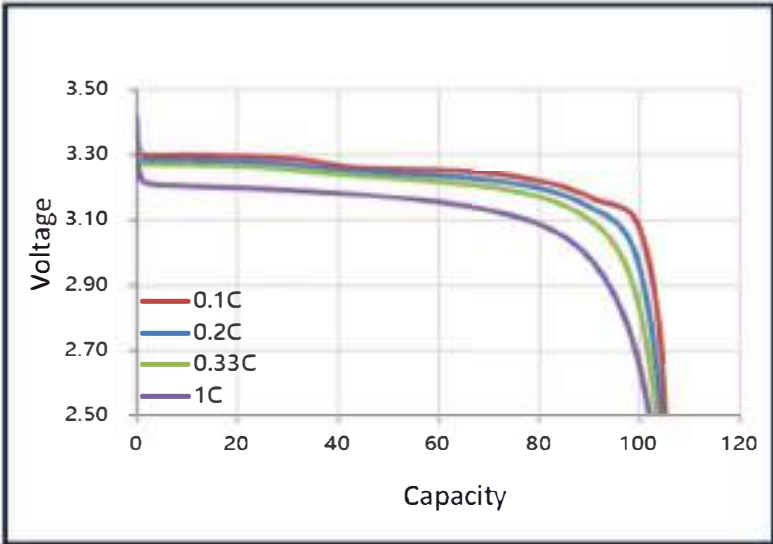
DIMENSIONAL SPECIFICATIONS



### Lithium Iron Phosphate (LiFePO<sub>4</sub>) Battery

**VTM12100(12.8V100Ah)**

#### PERFORMANCE CHARACTERISTICS



# VOLTAMAX

## PRODUCT SPECIFICATION

### Lithium Iron Phosphate (LiFePO<sub>4</sub>) Battery

#### VTM12100(12.8V100Ah)

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#### Cautions:

- \* Do NOT short circuit, crush or disassemble
- \* Do NOT heat or incinerate.
- \* Do NOT immerse in any liquid.
- \* Store at 50% capacity, Recharge every 6 months, The storage area should be clean, cool, dry and ventilated
- \* Disconnect charging source prior to connecting or disconnecting battery terminals.
- \* Do NOT dispose of batteries in a fire as they can explode.
- \* Do NOT open, alter, or mutilate batteries. Released electrolyte is harmful to skin and eyes, it may be toxic.
- \* Do NOT mix different types and brands of lithium-ion batteries.
- \* Do NOT dispose in trash, follow local regulations and manufacturer's instruction.
- \* See installation instructions before connecting to the supply.
- \* The battery cabinet receives power from more than one source, Disconnected of all DC sources is required to De-energize this unit before installing or servicing, Wait 5 minutes before opening the unit.
- \* Do NOT install on or over combustible surfaces
- \* Refer to manual before servicing
- \* Do NOT touch bare terminals.