# LYTHERO
ENERGY.UNLIMITED

# Powering the Future Sustainably




Solar/Inverter Battery

PWM Inverter

MPPT PCU

Automotive Battery

# Our Battery




### Robust & Reliable

**Advance spines** - for better performance heavy loads and better current flow

**Thicker spines** - thicker spines aid in maintaining structural design and more stable resistance against corrosion failure

**Thicker tubular plates** - enhancing performance, giving 1200 cycles @ 80% depth of discharge

### Robust & Reliable

**Thicker tubular plates** - aimed at making the performance better. Gives 1200 cycles @80% depth of discharge (one cycle Is one full charge followed by one full discharge)

### Takes less space

**Low footprint** - unique design of battery container, with a smaller base that occupies less space, thus the floor space required is less.

### Prevents deep discharge

**High cycle count** - the plates are made from HADI machine at 150 bar pressure, making them super strong and thus preventing the battery going into deep discharge.

### Saves Maintenance cost

**Additional fluidic head space** - the head space above the battery plates increases the wearing intervals and lessens the requirement of frequent topping up




### Faster electrochemical reaction

**Higher number of ribs** - keeps the acid channel open for faster and better electrochemical reactions

### Convenient maintenance

**Electrolyte level indicator** - specially designed indicator depicts the level of electrolyte in each cell, making for very easy maintenance.



Battery Coll Fully Topped
Topping of DM Water in cell required in future

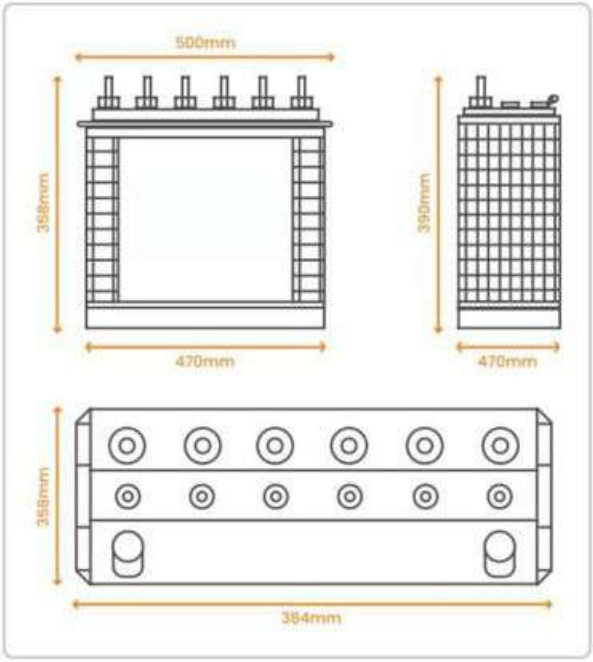
Topping of DM Water in cell required in Immediately

### Risk-Free & environmental friendly

**Effective fume arrestor** - prevents any (Lame or spark from entering the battery, ensuring complete safety and reducing the risk of explosions. It also works in reducing the escaping of gases into the atmosphere

## Battery Features

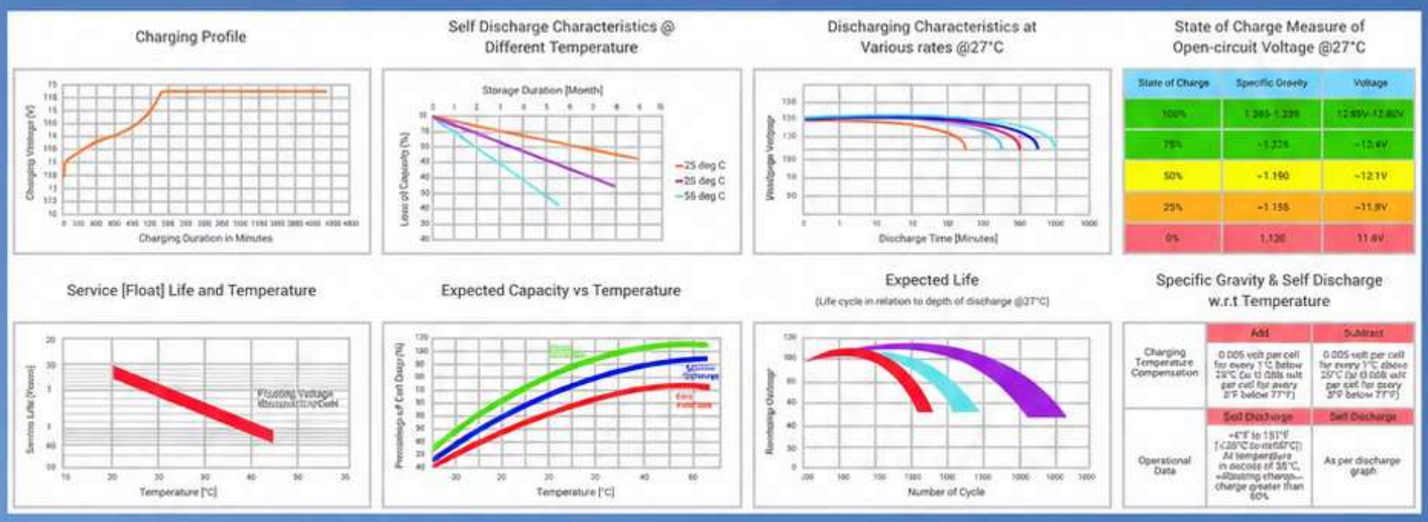
- Long Hour Backup
- 30% Extra Electrolyte
- Latest PE Envelope Separator Technology
- Very Efficient in Hybrid Applications
- Consistent Backup throughout life.
- 99.994% Pure Lead for longer life
- Ceramic Water Level Management
- Excellent behavior in PSOC condition as compare
- Excellent Performance on deep cyclic application
- Very High Design & Service Life.
- Low water loss.
- Robust Tabular with Pressure Diecasted spine- resulting low rate of spine corrosion.
- Spill Proof Vent plug - resulting in no spillage on top and low controlled aci fumes.
- Optimized Negative paste receipt for fast charge acceptance.
- Advanced Grid Pasting Compound
- Enhanced grid Design
- Twin Spine Plates




## Battery Specifications & Parameters

| | | | |
|---|---|---|---|
| Capacity (27 C) | 20 Hours rate to 10.5 V | | 200 AH |
| | 10 Hours rate to 10.8 V | | 160 AH |
| | 7 Hours rate to 10.8 V | | 147 AH |
| | 5 Hours rate to 10.8 V | | 133 AH |
| | 3 Hours rate to 10.8 V | | 115 AH |
| | 1 Hours rate to 10.5 V | | 80 AH |
| Ah/ Wh Efficiency | Amp. Hour Efficiency | | 96% |
| | Watt. Hour Efficiency | | 82% |
| Capacity loss on Storage | 3% per month | | |
| Ah/ Wh Efficiency | Max. Current | | 19.2 A |
| | Cyclic Use | Control Voltage | 14.4 A |
| | Floa Use | Control Voltage | 13.8 A |

# Explore More Products







**LT IST 2000 - 200 AH**




**LT ST 1500 - 150 AH**




**LT ST 2000 - 200 AH**

| Model Number | Gross Weight | Plate Size | Plate Combination | 12v |
|---|---|---|---|---|
| LT 1650-165AH | 55.30 kg | 15SP210mm | 2P+3N | 2:10 |
| LT 2000-200AH | 64.20 kg | 15SP210mm | 3P+4N | 3:10 |
| LT 2200-220AH | 68.00 kg | 15SP240mm | 3P+4N | 4:50 |
| LT 2400-240AH | 71.20 kg | 15SP250mm | 3P+4N | 5:10 |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