

Livguard Batteries Private Limited

Certified ISO 9001:2015 / ISO 14001:2015 / IATF 16949:2016

Livguard range of Tubular Batteries are customized exclusively for Home UPS and Inverter Application. **Livguard** Represents an assortment of Tubular Inverter Batteries that are high on Technology, Performance and Service Quality.

Livguard batteries have following features:-

- Longer Cycle Life
- Low Self Discharge Rate
- Efficient Deep Discharge Recovery
- Wide Operating Temperature Range

Plate Technology

- Tubular Plates are made with High Pressure Die Casting Machines , ensures Low Spine corrosion and Longer service Life.
- Tubular Plates with Gauntlets, made of special fabric having ultra-fine pores and high permeability to ensure higher backup and longer life.
- Super TUFF grid design with double sided pasting ensures longer battery life.

Highest Purity Electrolyte

- Highest purity CP grade Sulphuric Acid for increased storage life.

Ceramic Vent Plugs

- Special Ceramic vent plugs for controlled acid fumes

NAM with Active Carbon

- Increased reaction surface area for higher backup.
- Optimized Negative paste recipe for fast charge acceptance

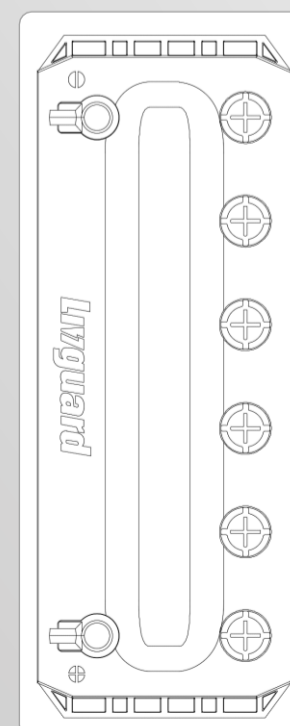
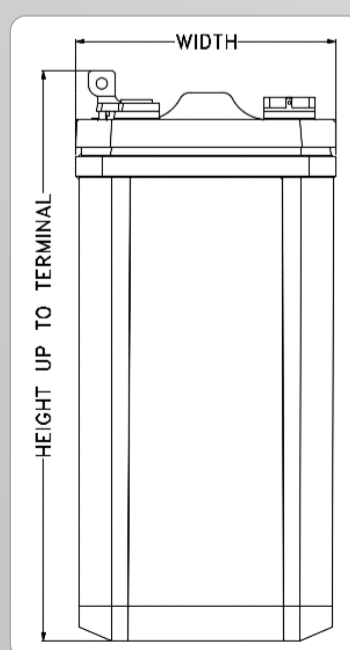
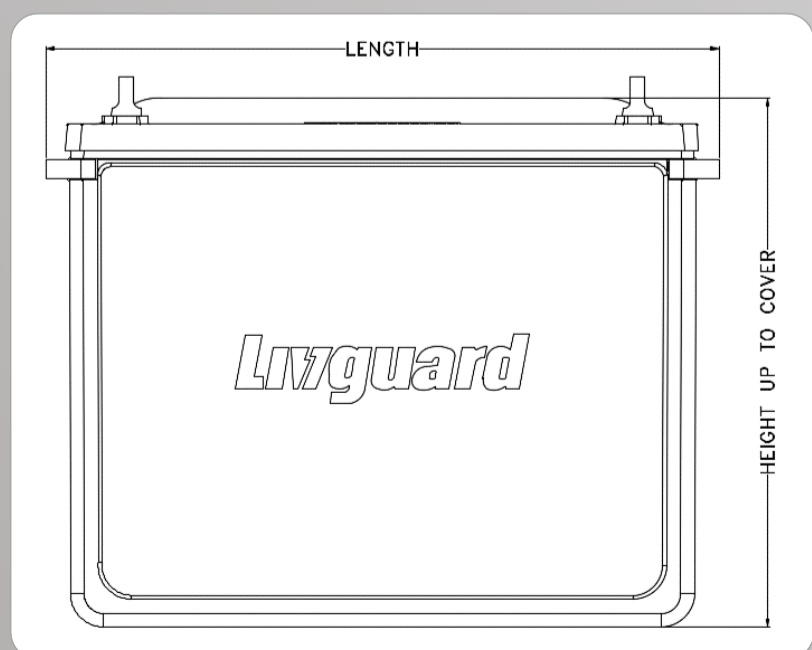
High Grade Imported Separator

- Less Electrical resistance, high oxidation resistance, high porosity, high charging efficiency.

MODEL	IT 260EXTT Tubular Deep Cycle Battery 12V 260Ah @C ₂₀			
BATTERY	Flooded Tubular			
VOLTAGE	12V			
CAPACITY @C ₂₀	260			
MATERIAL	Polypropylene			
DIMENSIONS (mm) Tolerance: ± 3 mm	Length	Width	Height (Up to cover)	Overall Height (up to terminal)
	505	188	398	410
BATTERY WEIGHT (±3%)	70.0			
GROSS WEIGHT (±3%)	72.0			



Battery Dimensions:



CHARGING INSTRUCTIONS

BOOST CHARGING (Amp)		TRICKLE MODE (mAmp)	
STARTING RATE	FINISHING RATE	MINIMUM	MAXIMUM
24.5	12.3	205	820

CHARGE CHARACTERISTICS (27°C)

Cycle Use	Standby Use
14.40-15.0V (-40mV/°C), Maximum Current 30A	13.60-13.80V (-20mV/°C)

* Battery to be recharged in CCCV mode only.

CONSTANT POWER DISCHARGE PERFORMANCE**

MAXIMUM BACKUP DURATION (HH:MM)				
500 W	400 W	300 W	200 W	100 W
05:10	07:07	09:30	16:42	30:53

**All test data are based on stabilized battery capacity on new battery & under controlled laboratory test conditions.

CONSTANT CURRENT DISCHARGE PERFORMANCE**

CAPACITY AMP-HOUR (Ah)					
C ₂₀ @10.5V	C ₁₀ @10.8V	C ₅ @10.8V	C ₃ @10.8V	C ₂ @10.8V	C ₁ @10.5V
260	229	194	164	145	114

INTERNAL RESISTANCE

8 mΩ

**All data are based on stabilized battery capacity on new battery & under controlled laboratory test conditions.

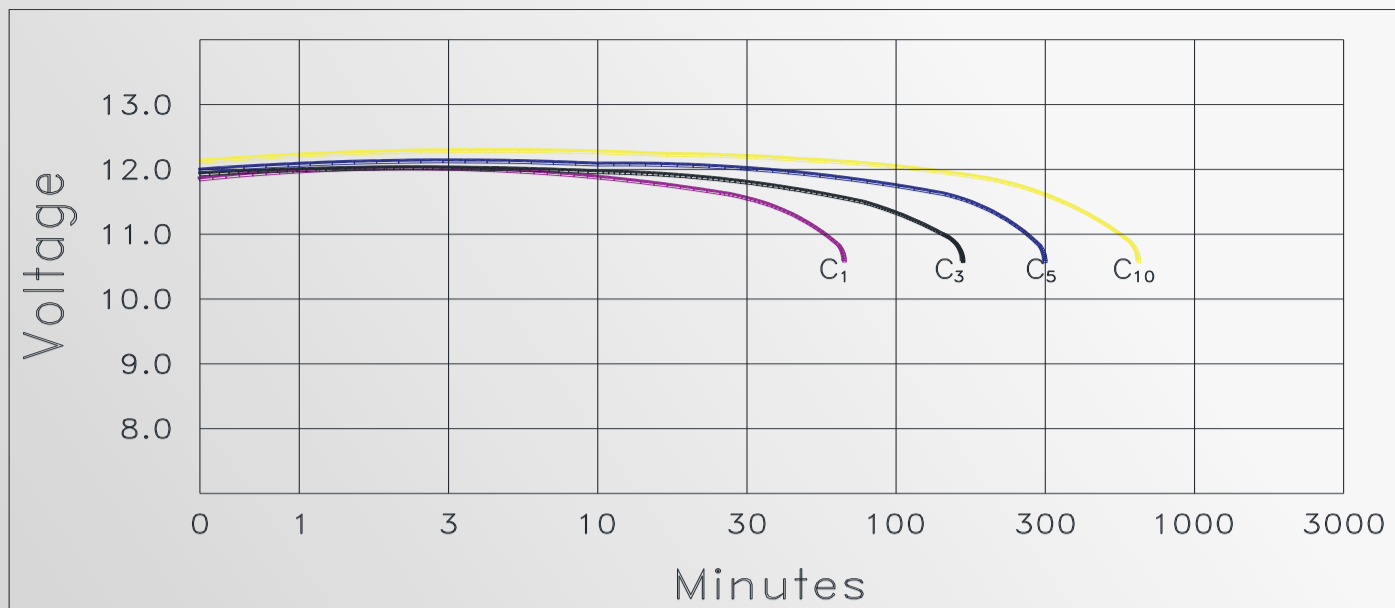
CHARGING TEMPERATURE COMPENSATION

ADD	SUBTRACT
0.005 Volt per cell for every 1°C below 25°C 0.0028 Volt per cell for every 1°F below 77°F	0.005 Volt per cell for every 1°C above 25°C 0.0028 Volt per cell for every 1°F above 77°F

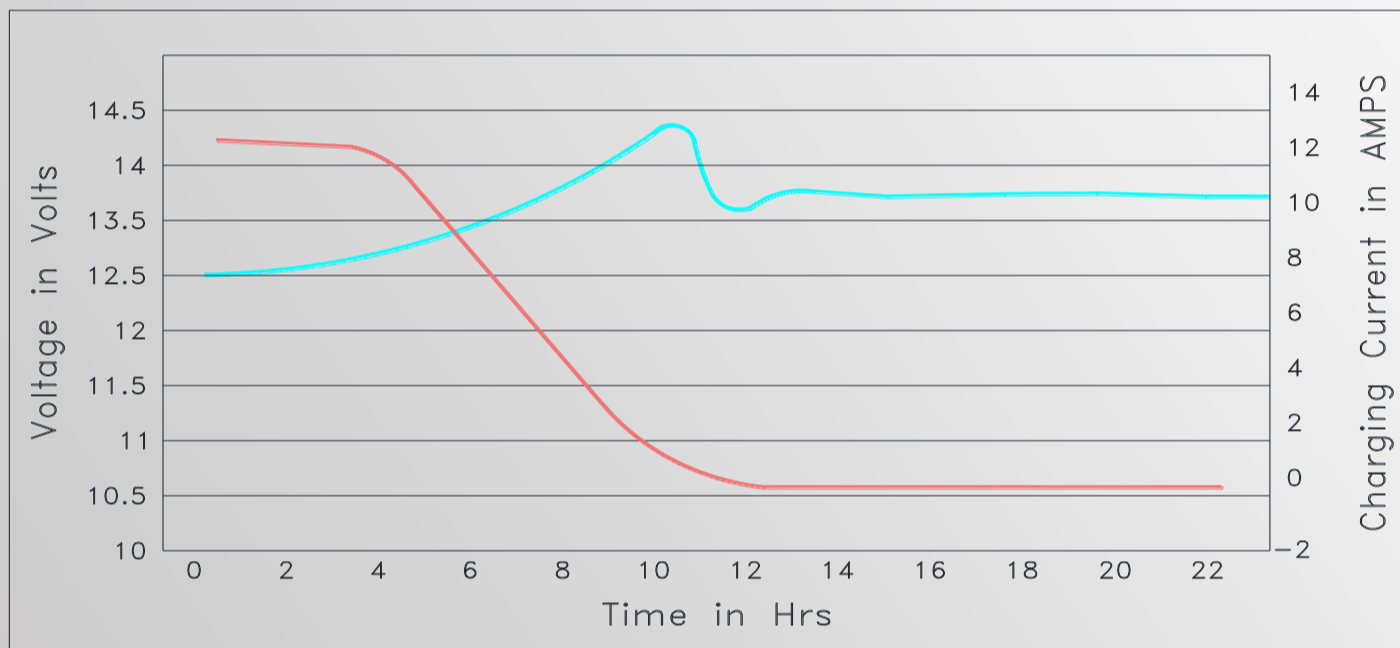
OPERATIONAL DATA

OPERATING TEMPERATURE		SELF DISCHARGE
-4°F to 113°F (-20°C to + 45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%		Less than 3% per month at 20°C temperature conditions.
C ₁₀ capacity correction formula at 27°C	Capacity at 27°C = $C_t + \frac{C_t \times 0.43 \times (27-t)}{100}$	C _t -Observed Capacity at t°C t-Actual test Temperature

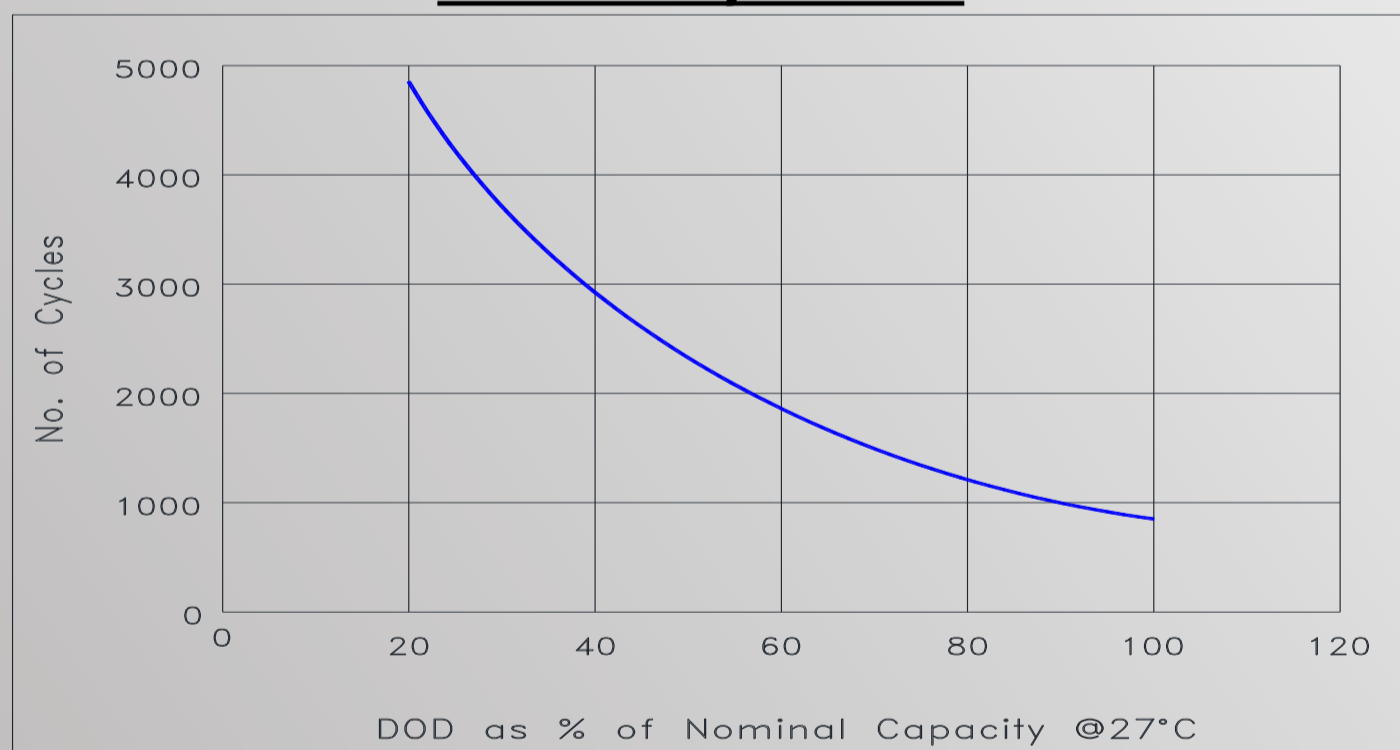
Discharging Characteristics at various rates @27°C



Charging Characteristics



DoD Vs Cycle Life



Disclaimer: Specification may change due to continual improvement and change in product design.

Contact Us:-

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