



An ISO 9001:2008

VOLT - AMP BATTERIES

Mfrs. of Automotive, Tubular & Traction Batteries

Source of Dependable Power



UPS | Inverters | Solar PV | Emergency Lighting | Alarm Systems |
Automotive | Telecom | Wind Power Systems | Industrial | IT/Office |
Hospital | Institution Any other critical area requiring standby power



Construction / Salient Features.

1. Tubular Positive Plates : The Active material is encapsulated in between the Grid & Pluri Tubular bag and the open end is sealed with plastic bottom bars. This construction contributes for the long service life of Tubular battery.
2. Tubular Negative Plates : The Negative Plates are of pasted type with specially formulated Active Material
3. Separators : Imported Industrial grade Polyethylene sleeves are used which have good mechanical strength, high oxidation resistance, porosity and low electrical resistance.
4. Aqua Trap Vent Plugs : Micro porous Aqua trap vent plugs are used which allow generated gas to escape and traps water particles, returning the major portion to the electrolyte
5. PP Battery Container : A high impact, sturdy, leak proof & durable Poly Propylene container
6. Terminals : Heavy duty & high contact area type with Lead alloy



Technical Specification

A. Volt- Amp Range of HL Tubular Heat Sealed PP Batteries

Type 12 Volts	Capacity@ 10 Hr end Voltage 10.5 V	Overall Dimension in mm			Battery Weight in Kg (Approx)		Acid Volume (approx) in Ltrs
		L	W	H	Dry	Charged	
6ST40T	40	420	180	270	16.0	26	8
6ST60T	60	520	190	270	21.6	34.5	10.5
6ST80T	80	520	210	270	27.0	41.0	11.5
6ST100T	100	520	270	280	32.6	52.3	16
6ST120T	120	520	270	280	37.5	56.8	16

B. Volt- Amp Range of EL Tubular Heat Sealed PP Batteries

Type 12 Volts	Capacity@ 10 Hr end Voltage 10.5 V	Overall Dimension in mm			Battery Weight in Kg (Approx)		Acid Volume (approx) in Ltrs
		L	W	H	Dry	Charged	
6ST135T	135	510	190	470	37.5	60.3	19
6ST160T	160	510	190	470	40.5	65.3	20
6ST180T	180	510	190	470	45.5	68.5	19
6ST200T	200	510	190	470	50.5	72.3	20

Installation & Maintenance

- Install the Batteries on an insulated surface such as a sheet of rubber or wooden plank.
- Electrical connections should be secure to prevent sparking & melting of terminals.
- Take care not to offer much load on terminals while tightening, and not to short circuit.
- Apply white petroleum jelly to the terminals to prevent corrosion.
- Batteries should be installed in a well ventilated place, away from direct sunlight and any other heat source.
- Do not bring fire hazardous materials, flame, lighted cigarette near to the battery, which may result in explosion or injury.
- Keep the surface of the Battery clean & tidy.
- Check the Electrolyte level periodically & top up with distilled water only, if required.

Initial Charging Specifications

- Filling in Specific gravity 1.220 ± 0.0005 @ $27^{\circ}C$ (Dilute Sulphuric Acid)
- Leave the Battery about 12 hours for cooling
- Initial Charging to be continued with a DC Charger for minimum 48-72 hours, or till Specific gravity & Voltages of all cells are constant
- Specific gravity in fully charged condition @ $27^{\circ}C$ should be 1.250 ± 0.025

Warning ! Never use Acid to top up

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