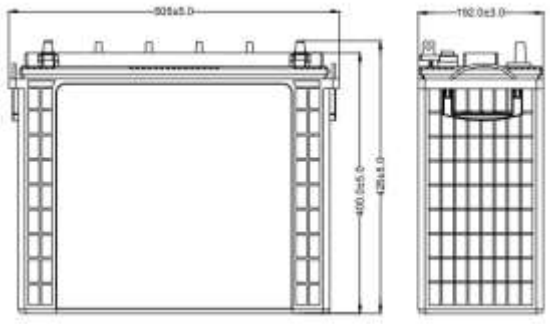
TUBULAR BATTERY DATA SHEET

Model: (12V200Ah)



Features

- Robust Tubular with High Pressure die-casted spine- resulting low rate of corrosion.
- Spill Proof Vent and controlled acid fumes.
- Optimized Negative paste recipe for fast charge acceptance.
- Consistent backup throughout life.
- Low Self Discharge.
- Excellent performance on deep cyclic application as compare to AGM VRLA.
- Very High Performance & Service Life.
- Low water loss (≤4%).

Battery Applications

Solar, Inverter and deep discharge applications.

Battery Construction

Battery container	Polypropylene (PP)
Type of Positive Plate	Tubular Positive
Type of Negative Plate	Flat Pasted
Terminals	Lead- Antimony Alloy
Material of Separator	PE
Electrolyte	H2SO4
Sealing Method	Heat Sealing
Supplied Condition	Acid Filled

TUBULAR BATTERY DATA SHEET

TECHNICAL SPECIFICATIONS

SPECIFICATIONS

Model		12V 200Ah
Battery Testing Standard		IS 13369:1992
Rated Capacity at C20 hour Rate		200Ah
Battery Nominal Voltage		12V
Dimensions	Length	505±5mm
	Width	192±3mm
	Height up to Terminal	398 ±5mm
	Height up to Level Indicator	425 ±5mm
Fully Charged Battery	Electrolyte Specific Gravity at 27°C	1.255±0.005
	Battery Weight (with electrolyte) (± 1%)	62.0 Kg
	Packed Battery Weight (± 1%)	63.8 Kg.

BATTERY CHARGING

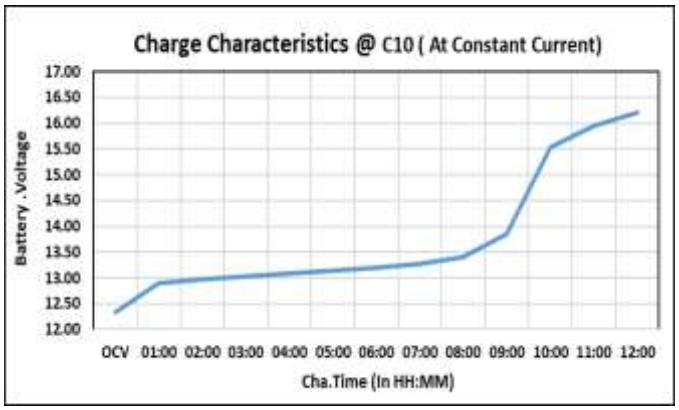
Model		12V 200Ah
Constant Voltage Charging (CV)	Maximum Charging current	20.0 A
	Cyclic use	14 .40V
	Float use (Charging Current 22.5A)	13.60 – 13.80v
	Boost Charging (Starting current 15A)	16.2V
	Trickle Charging Current	150 – 500mA

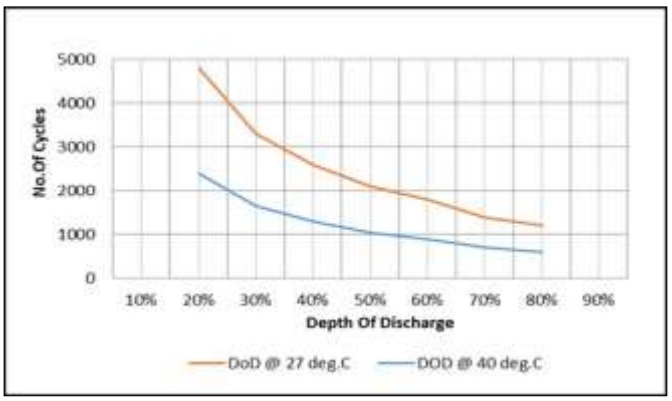
ELECTRICAL PERFORMANCE

Capacity at 27°C	20 Hour Rate to 10.80V	200.0Ah
	10 Hour Rate to 10.80V	176.0Ah
	5 Hour Rate to 10.50V	146.6Ah
	3 Hour Rate to 10.50V	126.2Ah
	1 Hour Rate to 10.50V	88.0Ah
400Watt (33A) @10.5V Backup Time (In Minimum 3Cyles)		4Hrs 15Min.
Loss of capacity on storage per month at 27°C		< 5.0%
Percentage (%) of Ampere-hour - Efficiency		> 90.0%
Percentage (%) of Watt-hour - Efficiency		> 75.0%
Cyclic life @80%DOD		1200

TUBULAR BATTERY DATA SHEET

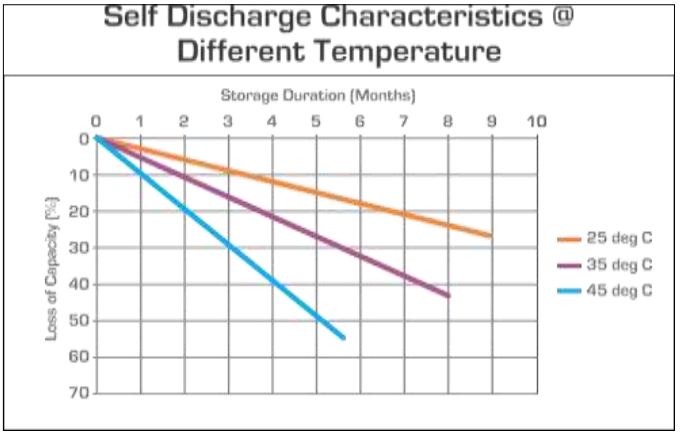
DOD V/S LIFE CYCLE @ ambient temperatures





Open circuit Voltage & Specific Gravity Vs SOC

State of Charge	Specific Gravity	Voltage
100%	1.260	12.7V
75%	1.225	12.4V
50%	1.190	12.1V
25%	1.155	12.0V
0%	1.120	11.8V



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