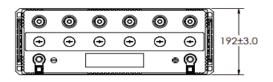
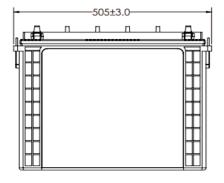
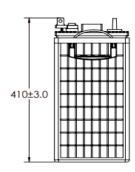


Tubular Batteries MTU

MTU-220









Product Features: -

- 1. Robust Tubular with High Pressure die-casted spine- resulting low rate of spine corrosion.
- 2. Spill Proof Vent plug resulting in no spillage on top and low controlled acid fumes.
- 3. Optimized Negative paste receipt for fast charge acceptance
- 4. Consistent backup throughout life
- 5. Low Self Discharge
- 6. Excellent performance on deep cyclic application as compare to AGM VRLA
- 7. Very High Design & Service Life
- 8. Low water loss

Technical Specifications

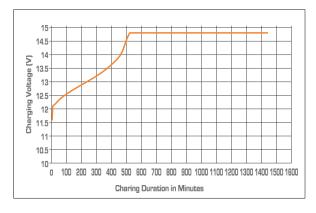
	Nominal Rated Capacity Voltage 20 Hr		Dimensions in mm			Battery Gross	Terminal
Model	Voltage	@ 27°C (Ah)	Length (± 3 mm)	Width (± 3 mm)	Height up to terminal (± 3 mm)	Weight [Kg] [±3%]	Туре
MTU-220	12	220	505	192	410	69.10	L

Electrical Parameters & Charging Profile

	Battery Specified Capacity Test @ 27 °C						
Model	C20 @ 10.5V	C10 @ 10.5V	C7 @ 10.5V	C5 @ 10.5V	C3 @ 10.5V	C1 @ 10.5V	400Watt (33A) @10.5V Backup Time (In Minimum 3Cyles)
MTU-220	220	211	193	175	151	105	5Hrs

Ah & Wh Efficiency							
Ah Efficiency	>90%	Wh Efficiency	>75%				

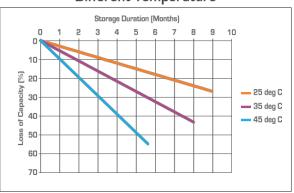
Charging Profile



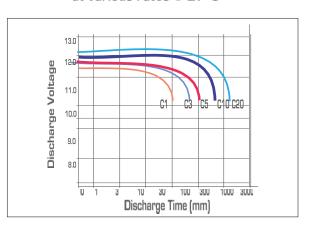
State of Charge Measure of Open-circuit Voltage @ 27°C

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

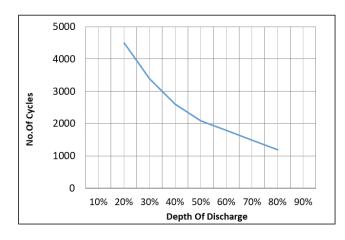
Self Discharge Characteristics @ Different Temperature



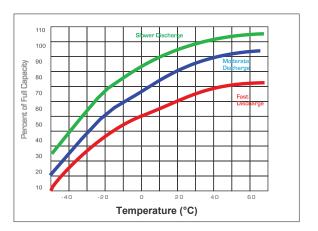
Discharging Characteristics at various rates @ 27°C



DOD V/S LIFE CYCLE



Expected Capacity Vs Temperature



Charging Instructions

Charger Voltage Settings (at 77° F/ 25°C)						
System Voltage	12V	24V	48V			
Maximum Charge Current	10% of rated capacity					
Float Voltage	13.6	27.2	54.4			
Cyclic Use	14.4	28.8	57.6			
Equalization Voltage	15.2	30.4	60.8			
Do not install or charge batteries in a sealed or non- ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.						

Periodic Charge Provide a periodic freshening charge to maintain a SOC greater than the threshold of 70%



ISO 14001 ENVIRONMENTAL MANAGEMENT



