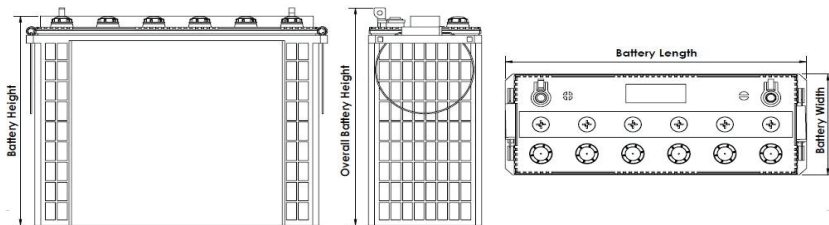


Tubular Batteries MTU

MTU-240 Premium



FEATURES	ADVANTAGES
PLATE TECHNOLOGY	High performance negative plates made with Advanced MAC Paster with consistent paste density throughout the plates and consistent weights of plates. Spines made with Special alloy composition & high pressure die casting machines to ensure defect free Casting with high corrosion resistance.
EXTRA ELECTROLYTE	Extra Tall containers to store 30% more electrolyte to ensure less frequent water topping
HIGH GRADE IMPORTED SEPARATOR	Less electrical resistance, High oxidation resistance, high porosity, High charging efficiency.
CERAMIC WATER LEVEL MANAGEMENT	Optimally porous ceramic level indicator suppresses water loss & promote safety along with cleanliness reducing water topping frequency.
ENVIRONMENT FRIENDLY & SAFE	Environment friendly and safer as it emits less fumes and absolutely low maintenance.

MODEL	MTU-240 PREMIUM
RATED CAPACITY	12V 240 Ah
DIMENSIONS IN MM	505 x 189 x 416
L x W x H	
MATERIAL	Polypropylene

TECHNICAL SPECIFICATION

Model Nomenclature	Voltage	Capacity @ C20	Battery Overall Dimensions (± 3 mm)				Battery weight with electrolyte (±5%)	Battery packed weight (±5%)
			Length	Width	Height (Upto Cover)	Overall, Height (Up to Terminal)		
MTU-240 PREMIUM	12V	240 Ah	505	189	367	416	72.0 Kg	73.5 Kg

ELECTRICAL SPECIFICATION (27°C)			
CAPACITY (Duration)	CAPACITY AMP-HOURS (Ah)		
Bulb Load Backup on Inverter	20Hr	10Hr	5Hr
5 Hrs 10 Min 400W ± 10 Min	240	210	176

** All data based on stabilized battery capacity on new battery, under controlled laboratory test conditions

CHARGING INSTRUCTIONS			
Maximum Charging Current	Float Voltage	Boost Voltage	Bulk Voltage
15% of Rated Capacity	2.30 VPC 13.80 VPB	2.40 VPC 14.40 VPB	2.60 VPC 15.60 VPB

***Bench charge if required shall be done in Constant Current mode

CONSTANT POWER DISCHARGE PERFORMANCE (27°C)**				
MAXIMUM BACKUP DURATION (HH:MM)				
500W	400W	300W	200W	100W
3 Hrs 45 Min	4 Hrs 40 Min	7 Hrs 30 Min	13 Hrs	34 Hrs 10 Min

** All test data based on stabilized battery capacity on new battery, under controlled laboratory test conditions

CHARGE CHARACTERISTICS (27°C)	
Cycle Use	Standby Use
14.40 – 15.0V (-40mV/°C)	13.60 - 13.80V (-20mV/°C)

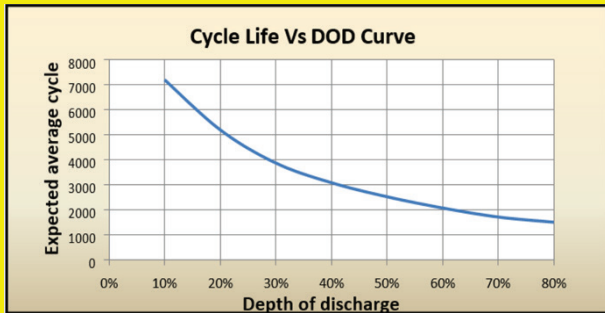
*Battery to be recharged in CV mode only

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 below 77°F

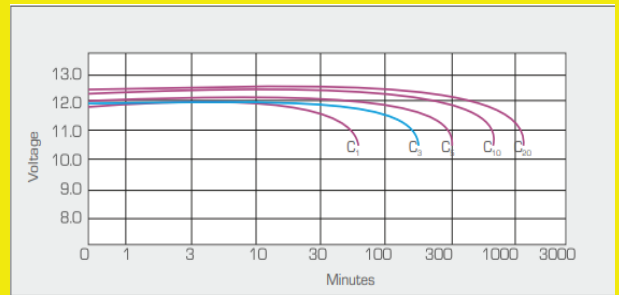
OPERATIONAL DATA			
OPERATING TEMPERATURE		SELF DISCHARGE	
-4°F to 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.		Less than 5% per month at 20°C temperature conditions.	
Rated Capacity at ambient temperature	As per formula: $C_t = C_{27} \{1 + 0.0043(t - 27)\}$	Self-Discharge	Conforms to IS13369-1992



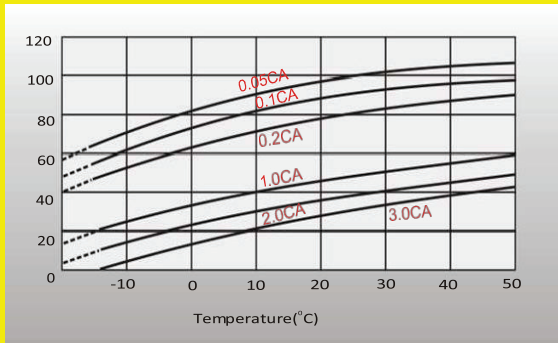
CYCLE LIFE VS DEPTH OF DISCHARGE



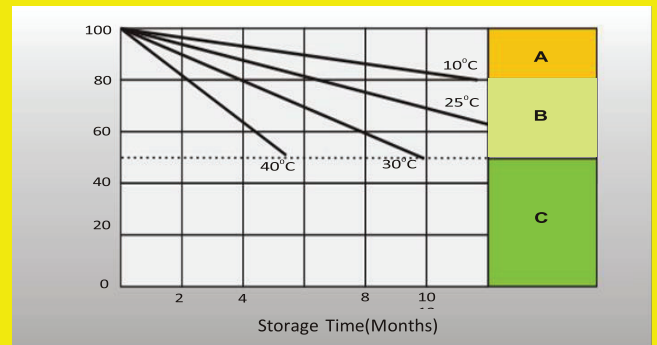
DISCHARGING CHARACTERISTICS AT VARIOUS RATES @ 27°C



TEMPERATURE EFFECT ON BATTERY CAPACITY



SELF DISCHARGE CHARACTERISTICS



- A** : No Supplementary charge required (Carry out supplementary charge before use if 100% Capacity is required)
- B** : Supplementary charge required before use
- C** : Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached

Dimensions are based on nominal size. For tolerances refer above the table

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



ISO 14001 ENVIRONMENTAL MANAGEMENT



Aambitious Assessments Pvt. Ltd.

