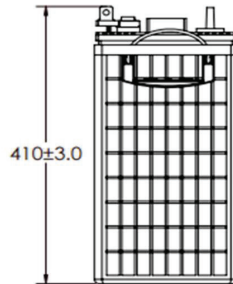
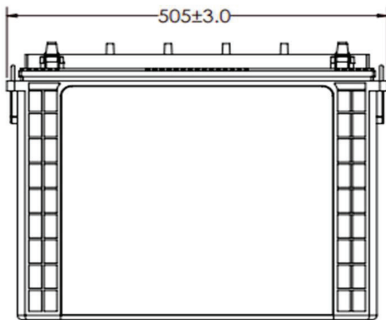
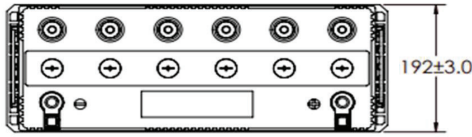


## MTU-270 C10



### Product Features: -

1. Robust Tubular Spine Design with High Pressure die-casted resulting in less corrosion.
2. Spill Proof Vent plug – resulting in no spillage on top and controlled acid fumes.
3. Optimized Negative paste recipe for improved charge acceptance
4. Consistent backup throughout life
5. Low Self Discharge
6. Excellent performance on deep cyclic application compared to AGM VRLA
7. High Performance with extended service Life
8. Low water loss (< 4%)

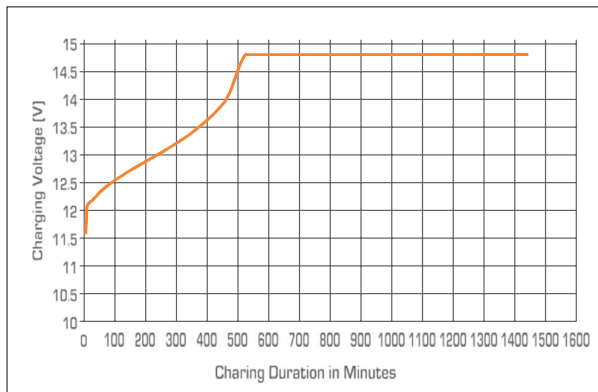
### Technical Specifications

Model	Nominal Voltage	Rated Capacity 20 Hr @ 27°C (Ah)	Dimensions in mm			Battery Gross Weight [Kg] [±3%]	Terminal Type
			Length (± 3 mm)	Width (± 3 mm)	Height up to terminal (± 3 mm)		
MTU-270 C10	12	270	505	192	410	77.0	L

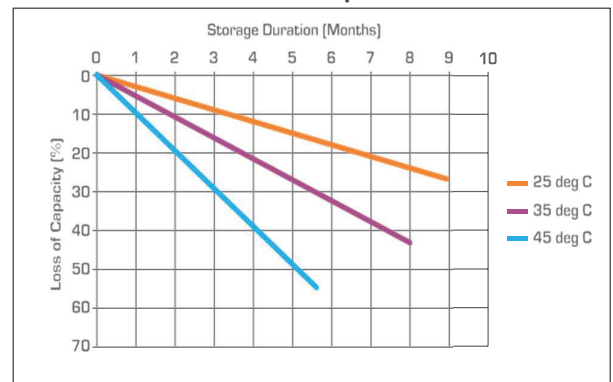
## Electrical Parameters & Charging Profile

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 3Cycles)
MTU-270 C10	290	270	258	235	202	141	6Hrs 40Min
Ah & Wh Efficiency							
Ah Efficiency	>90%			Wh Efficiency	>75%		

**Charging Profile**



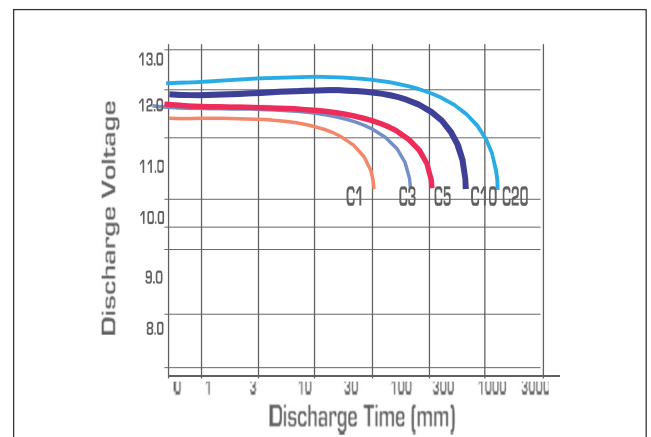
**Self Discharge Characteristics @ Different Temperature**



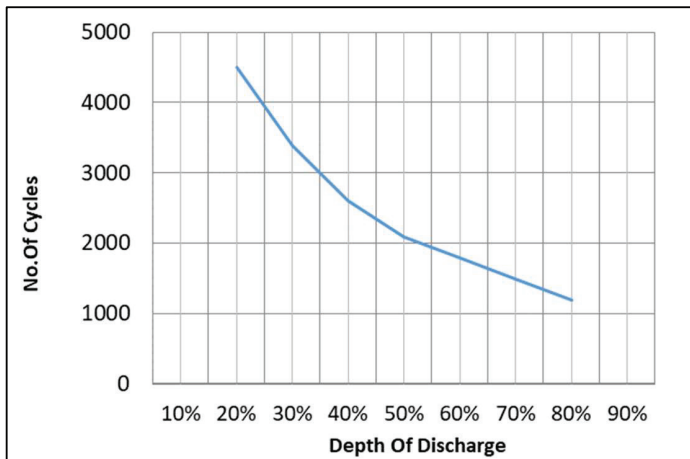
**State of Charge Measure of Open-circuit Voltage @ 27°C**

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

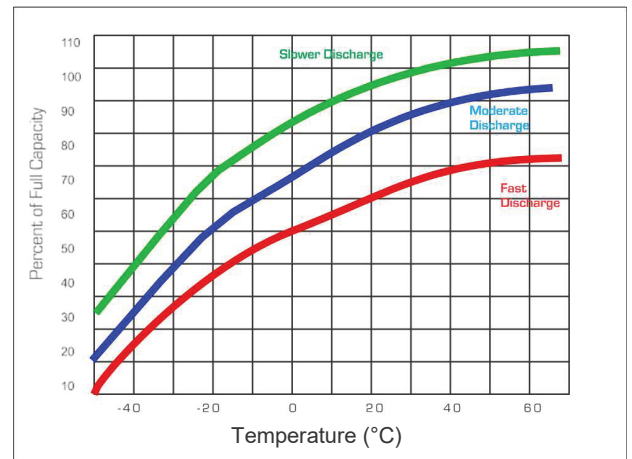
**Discharging Characteristics at various rates @ 27°C**



### 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	16	32	64
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%		

