

# Technical Data Sheet

## Inverter Tubular Battery 200Ah 12V C20



### MODEL NAME: MTK 200TT

TECHNICAL SPECIFICATION		
Nominal Voltage		12V
Capacity ( 20HRS, 27°C )		200 AH
Dimension	Length (±3mm)	510 mm (20.07 inch)
	Width (±3mm)	190 mm (7.48 inch)
	Height (±3mm)	376 mm (14.80 inch)
	Total Height (±3mm)	412 mm (16.22 inch)
Approx Net Weight (±3%)		62.0 Kg (136.68 lbs)
Approx Gross Weight (±3%)		63.5 Kg (139.99 lbs)
Design Life		5 ~ 7 Years

## TECHNICAL FEATURES

## APPLICATION

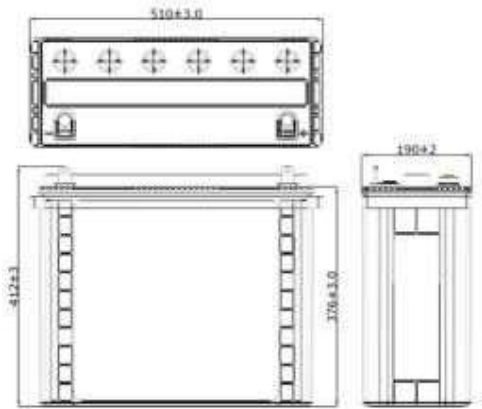
- Powerful Performance as Fits with all Types of Inverters
- Low Maintenance as Battery Plates are Designed to Prevent Overheating
- Fast Charging Capability
- Longer Back-up Time as Specially Designed to Support Long and Frequent Power Cuts
- Very Low Self Discharge
- Clear Ceramic Electrolyte Level Indicator
- Environment Friendly & Safe

- 1) Power Backup
- 2) Home Appliances
- 3) Office Equipments
- 4) Security Systems
- 5) Home Lighting
- 6) Solar Compatible

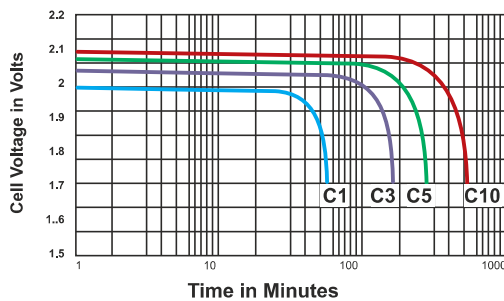
## ELECTRICAL CHARACTERISTICS

## BATTERY DIMENSIONS

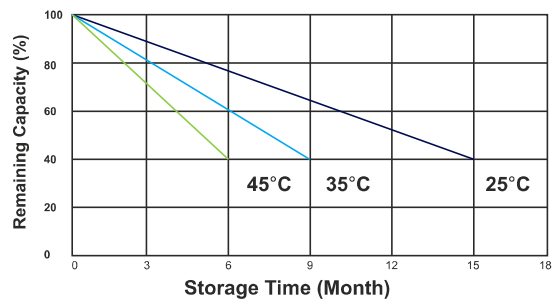
Capacity (@ 27°C)	20 Hrs Rate	200AH
	10 Hrs Rate	160AH
	5 Hrs Rate	135AH
Nominal Backup @ 400 watt ( 27°C )		220min
AH Efficiency (%)		92.58
Wh Efficiency (%)		81.23
Self Discharge ( 27°C )	Capacity after 3 Month Storage	Remaining Capacity: 88%
	Capacity after 6 Month Storage	Remaining Capacity: 75%
Recommended Operating Temperature Range	Discharge	-15°C ~ 50°C
	Charge	-15°C ~ 50°C
	Storage	-15°C ~ 40°C
OCV at 100% SOC		12.60 - 12.70
Charge Methods ( CV Charge - 27°C ) - Cyclic Use		Cycle Use 14.4 to 14.6 V
		Max. Current 20A
Charge Methods ( CV Charge - 27°C ) - Float Use		Temp Compensation 15mV/°C
		Standby Use 13.5 to 13.8 V
		Max. Current 20A
		Temp Compensation 15mV/°C



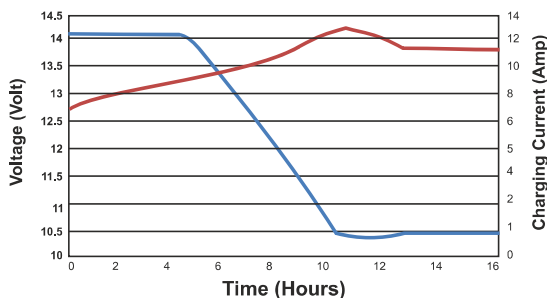
PERFORMANCE CURVE AT DIFFERENT RATES OF DISCHARGE



SELF DISCHARGE CHARACTERISTICS



CHARGING CHARACTERISTICS



CYCLE LIFE @ 27°C

