EMPOWERING SINCE 1993

Truepower

Tall Tubular - 12V220Ah (10hr) C10

BATTERY CONSTRUCTION

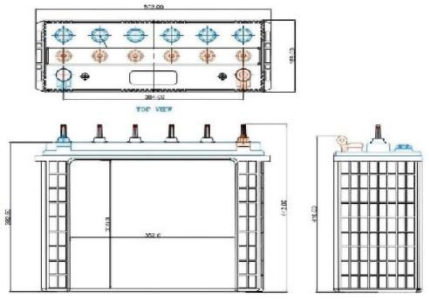
Component	Positive Plate	Negative Plate	Container	Cover	Safety Valve	Terminal	Separator	Electrolyte
Raw Material	Lead Dioxide	Lead	PPCP	PPCP	NA	Lead Alloy	PVC	Flooded free acid

GENERAL FEATURES

- The battery is having free H_2SO_4 electrolyte and requires, DM Water topping up once every six months
- Can be installed in vertical direction only
- Lead, Antimony, Tin alloy grid for high Corrosion resistance
- Long service life, float or cyclic applications.
- Low Maintenance, operation
- Low self discharge
- Case and cover available in standard PPCP material

DIMENSIONS AND WEIGHT

Length (mm)	500
Width (mm)	187
Height (mm)	416
Approx Weight (kg) (Dry/Filled)	41/68



PERFORMANCE CHARACTERISTICS

Nominal Voltage	12V
Number of cell	6
Design Life	5-7 years

NOMINAL CAPACITY (27°C)

10 hour rate (22A, 10.5V)	220Ah
5 hour rate (39.6A, 10.5V)	198Ah
3 hour rate (55A, 10.5V)	165Ah

SELF DISCHARGE

2.5% of capacity declined per month at 27°C (average) Operating Temperature Range

Discharge	-20-50°C
Charge	-10-50°C
Storage	-20-50°C
Max. Discharge Current 77F (25°C)	176A(3s)
Short Circuit Current	220A

Charge Methods: Constant Current Charge 77°F (25°C)

CYCLE USE

Maximum charging voltage	14.5-14.6v
Maximum charging current	22A
Temperature compensation	75mV/300moh

STANDBY USE

Maximum charging voltage	14.1-14.4V
No charge current limit is required	
Temperature compensation	

DISCHARGE CONSTANT CURRENT (AMPERES AT 27°C)

Hours	3h	5h	10h
Final Voltage	10.5	10.5	10.5
Capacity	165	198	200

(Note) The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.