

CTA12-155X

12V 155Ah(10hr)

Overview

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special oneway valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

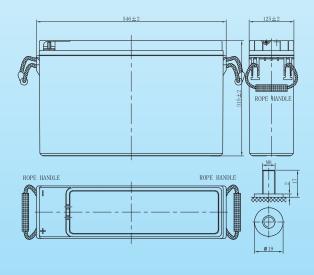
General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- · Computer designed lead, calcium tin alloy grid for high power density.
- · Long service life, float or cyclic applications.
- Maintenance-free operation.
- · Low self discharge.
- · Case and cover available in both standard and flame retardant ABS.

Dimensions and Weight

Length(mm / inch)	546 / 21.5
Width(mm / inch)	125 / 4.92
Height(mm / inch)	315 / 12.4
Total Height(mm / inch)	315 / 12.4
Approx. Weight(Kg / lbs)	61.6 / 135.88

^{*} Weight deviation: ± 3%



Battery Specification

Performance Characteristics	
Nominal Voltage	12V
Number of cell	6
Design Life	12years
Nominal Capacity 68°F(20°C)	,
10 hour rate (15.5A, 10.8V)	155Ah
5 hour rate (30.2A, 10.5V)	151Ah
1 hour rate (116A, 9.6V)	116Ah
Internal Resistance	
Fully Charged battery 68°F(20°C)	≤3.5mOhms
Self-Discharge	
3% of capacity declined per month at 20℃ (av	rerage)
Operating Temperature Range	
Discharge	-20~60℃
Charge	-10~60℃
Storage	-20~60℃
Max. Discharge Current 68°F(20°C)	1550A(5s)
Charge Methods: Constant Voltage Charge68	°F(20°C)
Cycle use	2.40-2.45VPC
Maximum charging current	30% of rated capacity
Temperature compensation	-30mV/℃
Standby use	2.20-2.3VPC
Temperature compensation	-20mV/℃

Discharge Constant Current (Amperes at 68°F20°C)

End Point								
1.60V	288	213	186	138	84.0	47.5	31.0	16.0
1.65V	277	204	177	133	82.2	47.1	30.7	15.8
1.70V	262	194	170	129	80.3	46.7	30.4	15.7
1.75V	250	185	164	125	78.9	46.3	30.2	15.6
1.80V	228	173	151	119	77.0	46.0	30.0	15.5

Discharge Constant Power (Watts at 68°F20°C)

End Point								
1.60V	410	358	320	249	155	95.1	62.0	33.4
1.65V	391	346	308	244	153	94.4	61.5	33.1
1.70V	378	337	301	238	151	93.7	61.0	32.9
1.75V	364	326	293	232	149	92.5	60.5	32.6
1.80V	352	313	282	229	147	91.0	60.0	32.4

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the mimimum values. All data shall be changed without notice, Vision reserves the right to explain and update the information contained hereinto.



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