

CT12-140X 12V140Ah(10hr)

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 one-way 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

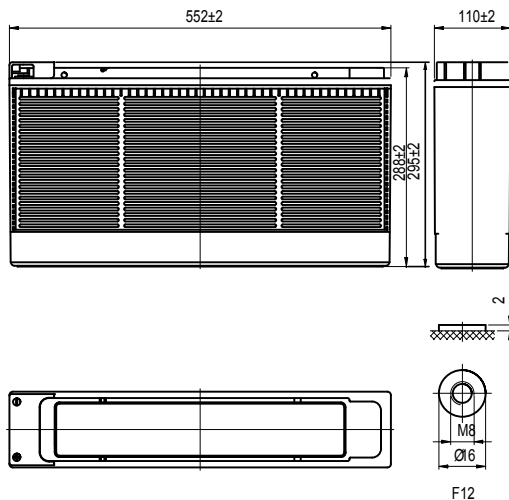
General Features

- 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)	552 / 21.7
Width(mm / inch)	110 / 4.33
Height(mm / inch)	288 / 11.3
Total Height(mm / inch)	295 / 11.6
Approx. Weight(Kg / lbs)	49 / 108

* Weight deviation: ± 3%



Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	10 years
Nominal Capacity 77°F(25°C)	
10 hour rate (14.0, 10.8V)	140Ah
5 hour rate (26.1A, 10.5V)	130.5Ah
1 hour rate (94.4A, 9.6V)	94.4Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	≤ 5.0mOhms
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operating Temperature Range	
Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C
Max. Discharge Current 77°F(25°C)	980A(5s)
Short Circuit Current	2500A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	2.40-2.45VPC
Maximum charging current	42A
Temperature compensation	-30mV/°C
Standby use	2.20-2.30VPC
Temperature compensation	-20mV/°C

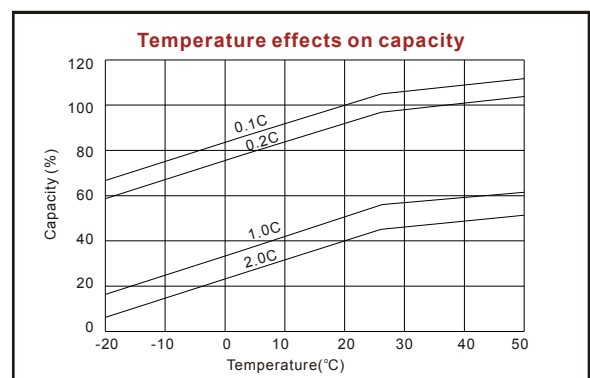
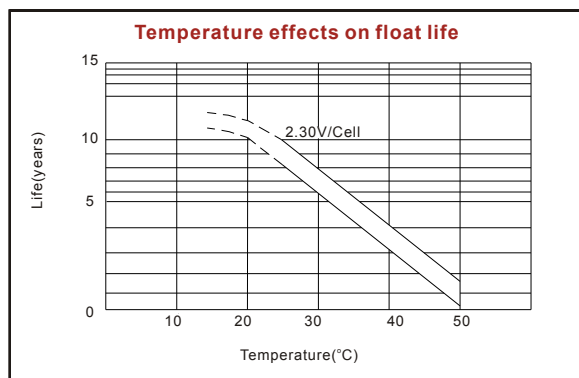
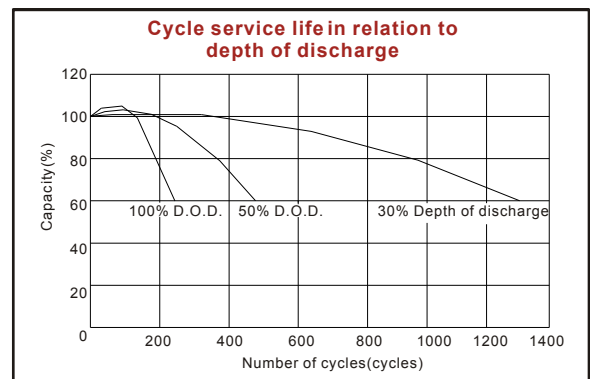
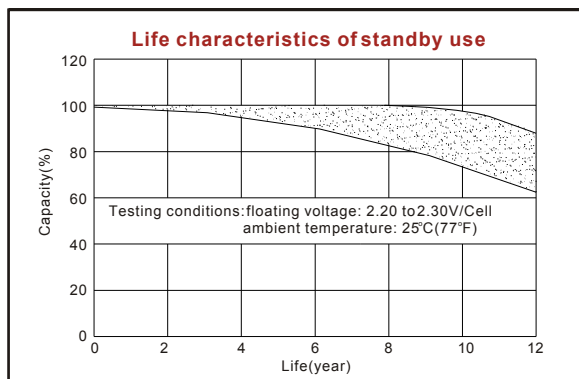
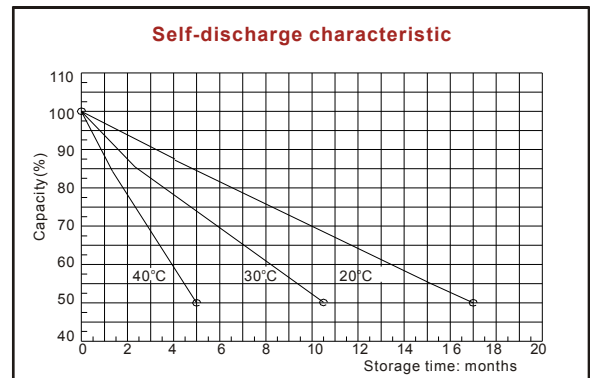
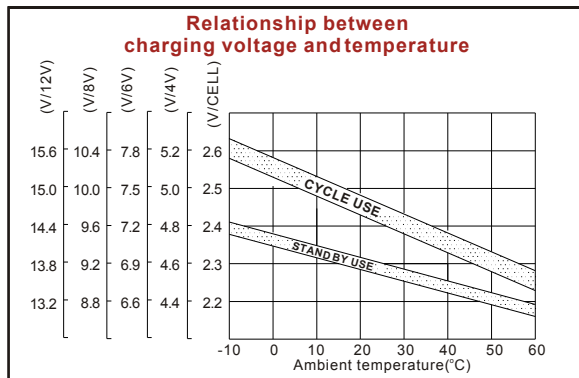
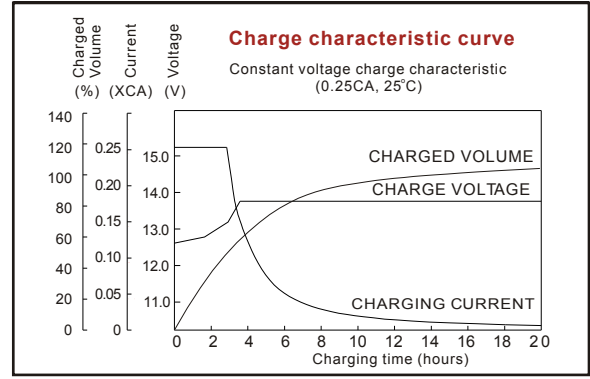
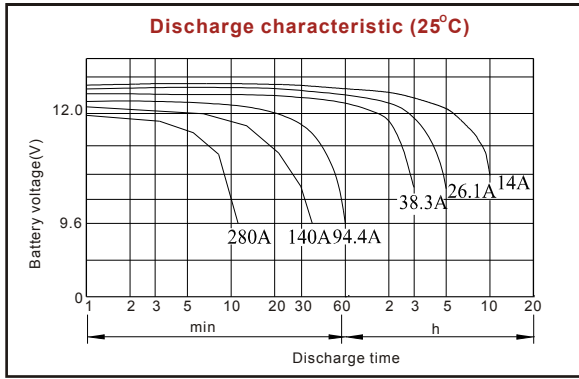
Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/Cell	10min	15min	30min	45min	1h	3h	5h	10h
1.60V	305	257	162	120	94.4	39.3	26.5	14.4
1.65V	280	239	156	117	92.6	38.9	26.4	14.3
1.70V	254	221	150	113	90.7	38.6	26.3	14.2
1.75V	229	203	143	110	88.9	38.3	26.1	14.1
1.80V	203	185	137	106	87.0	38.0	26.0	14.0

Discharge Constant Power (Watts at 77°F25°C)

End Point Volts/Cell	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	488	413	273	210	171	100	75.2	49.9
1.65V	464	395	265	205	168	98.8	74.2	49.4
1.70V	441	377	258	200	165	97.5	73.3	49.0
1.75V	418	358	250	194	162	96.3	72.3	48.5
1.80V	395	340	242	189	159	95.0	71.3	48.0

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



ISO9001:2008

MH25860

G4M19906-9202-E-16

www.vision-batt.com

Shenzhen Center PowerTech Co., Ltd.
Center Power Industrial Park, Tongfu Industrial District Dapeng Town, 518120 Shenzhen, China
Tel: (+86-755) 8431 8088 Fax: (+86-755) 8431 8038 E-mail: sales@vision-batt.com