

CT12-180Y-X **12V 180Ah(10hr)**

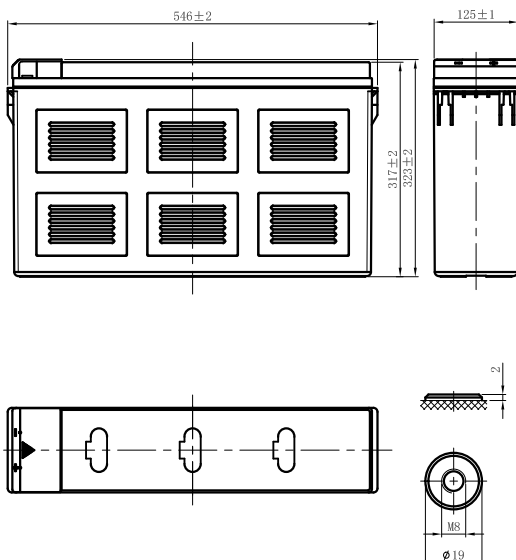
The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive 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.



Performance Characteristics

Battery model	CT12-180Y-X			
Nominal voltage	12V			
Number of cell	6			
Capacity (20°C)	10hR(18A, 10.8V)	5hR(32.4A, 10.5V)	1hR(116A, 9.60V)	
	180Ah	162 Ah	116Ah	
Dimensions Max.	Length	Width	Height	Total Height
	546±2 mm	125±2 mm	317±2 mm	323±2 mm
Approx. weight	49.5Kg (109.2 lbs)			
Internal resistance	Full charged at 20°C: 4.5mOhms			
Self discharge	3% of capacity declined per month at 20°C (average)			
Operating temperature range	Discharge	Charge	Storage	
	-20~60°C	-10~60°C	-20~60°C	
Max. discharge current (20°C)	1000A (5s)			
Short circuit current	2500A			

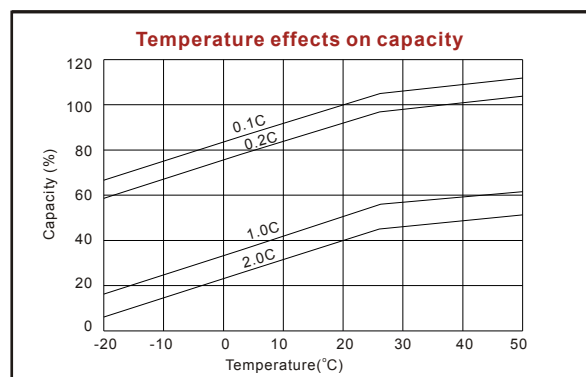
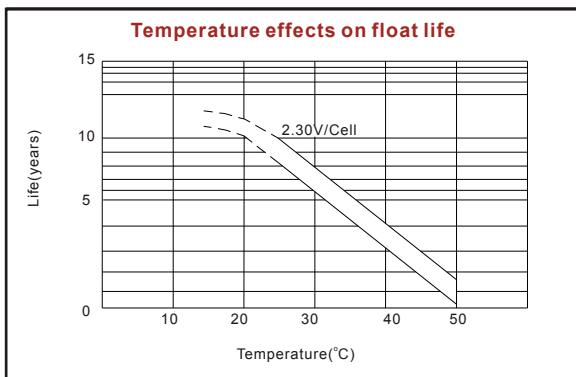
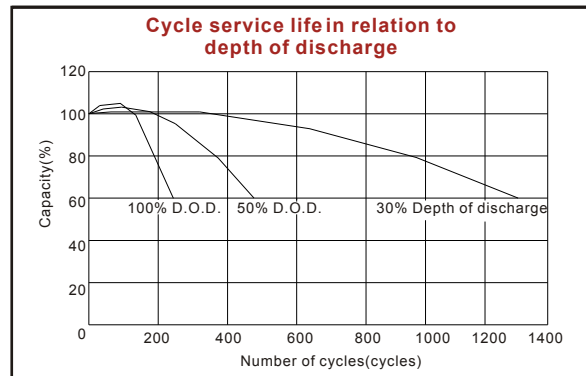
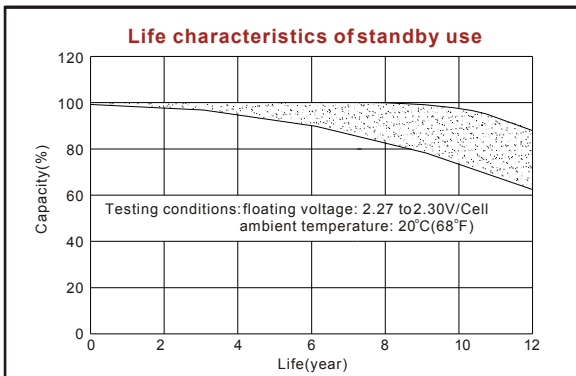
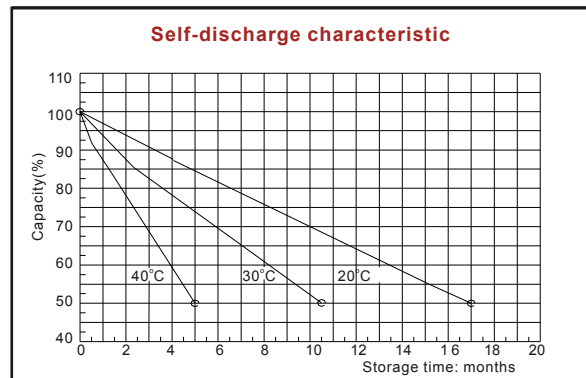
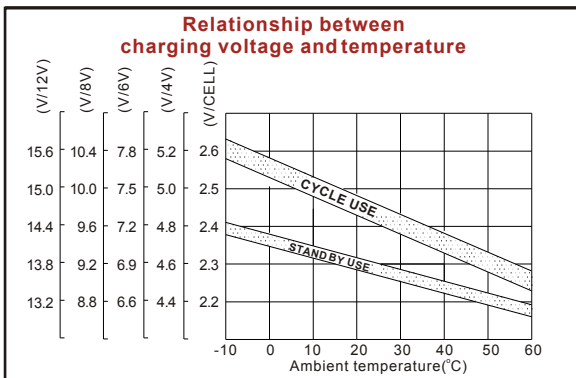
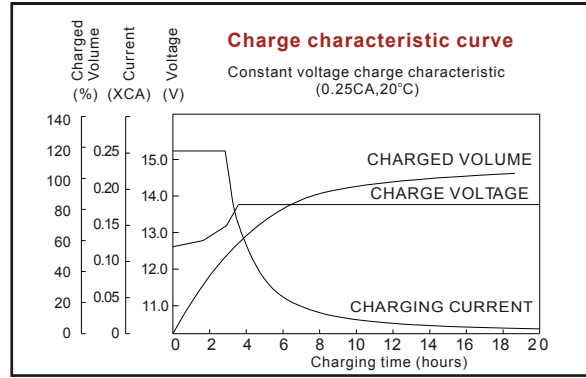
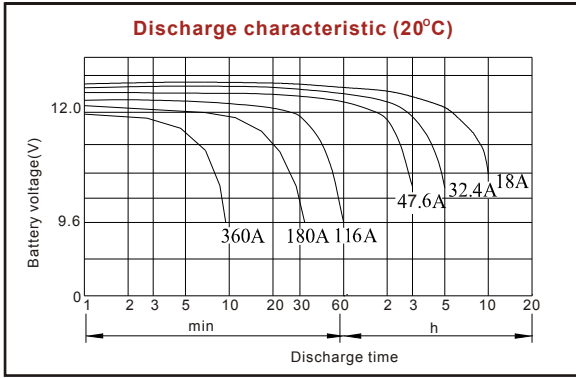
Discharge Constant Current (Amperes at 68°F/20°C)

End Point Volts/cell	15min	30min	45min	1h	3h	5h	10h
1.60	312	198	147	116	50.6	33.3	18.4
1.65	294	191	142	113	49.7	33.1	18.3
1.70	273	183	136	109	48.7	32.8	18.2
1.75	250	174	130	105	47.6	32.4	18.1
1.80	225	164	123	100	46.5	32.0	18.0

Discharge Constant Power (Watts at 68°F/20°C)

End Point Volts/cell	15min	30min	45min	1h	2h	3h	5h
1.60	536	358	276	220	132	96.8	62.8
1.65	508	343	264	216	130	95.6	62.3
1.70	478	326	255	211	127	94.3	61.7
1.75	446	308	245	206	124	92.9	61.1
1.80	412	289	235	200	121	91.5	60.5

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



ISO9001:2000

MH25860

G4M19906-9202-E-16

www.vision-batt.com

Shenzhen Center Power Tech. 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