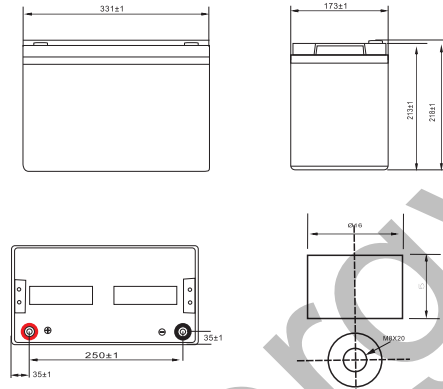


Picture



Dimension



Datasheet

Normal Volatage		12V
Rated Capacity(C10)		100Ah
Capacity 25°C(77°F)	10 Hour rate(1.8V)	100Ah
	3 Hour rate(1.8V)	75Ah
	1 Hour rate(1.75V)	55Ah
Internal Resistance	25°C(Full Charged Battery)	≤5.5mΩ
Discharge Current (10 hour)	40°C(104°F)	102%
	25°C(77°F)	102%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self Discharge 25°C(77°F)	3 months later	91%
	6 months later	82%
	12 months later	64%
Charge Method 25°C(77°F)	Floating Charge	Current:0.05C-0.15C Voltage:13.6V-13.8V
	Equalizing Charge	Current:0.05C-0.15C Voltage:14.2V-14.5V

Specification

Dimension	Length	330±2mm
	Width	171±2mm
	Height	214±2mm
	Total Height	220±2mm
Terminal		T16
Net Weight		28.0kg±3%
Gross Weight		28.5kg±3%

Certification



Application, Advantages, Features

Application

- Control System, alarm system, power system, railway system
- Emergency Light, Lighting System, Backup power supply, UPS
- Telecom Equipment, Fire and Security Sytem, Power Station
- Electric Tools, Electric Toys

Features

- High-strength ABS plastic battery,compact struture,impact resistance and Seismic capacity
- Special Lead-based multi-element alloy grid, Low internal resistance, Strong charging acceptance ability

Advantages

- Design Life:10 years
- Safe and Reliable Seal
- High Specific energy, Low internal resistance, Low self-discharge rate
- Strong Charge acceptance and High sealing response efficiency

- New plate manufacturing process, High active material utilization rate
- High-purity electrolyte and special additives, Low self-discharge rate
- Multi-layer sealing technology and special sealant ensure that the battery has no leakage and no acid over, Safe and reliable

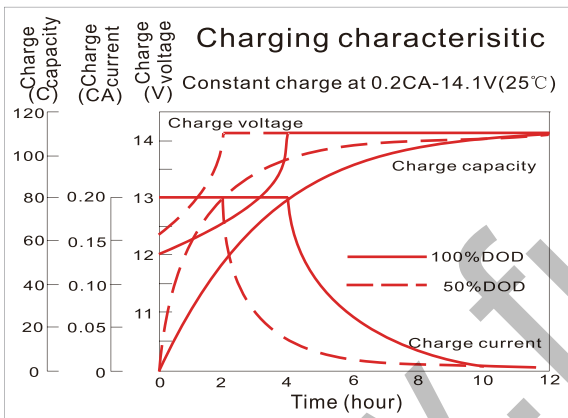
▼ Constant Current Discharge Characteristics : A(25°C)

Volt/Time		10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	A	218	168	101	61.8	36.5	26.3	21.0	18.0	12.3	10.2	5.40
	W	2354	1845	1128	705	423	309	247	212	147	122	64.7
1.65V	A	211	164	98.5	60.9	36.3	26.2	20.9	17.8	12.3	10.2	5.38
	W	2284	1800	1105	694	421	308	246	211	146	121	64.6
1.70V	A	203	158	95.5	59.3	36.0	26.0	20.7	17.7	12.2	10.1	5.37
	W	2190	1734	1071	676	417	306	244	209	145	121	64.4
1.75V	A	194	153	93.2	57.5	35.5	25.8	20.6	17.6	12.1	10.1	5.34
	W	2095	1675	1045	655	411	303	242	208	144	120	64.0
1.80V	A	183	144	89.7	55.6	34.6	25.0	20.0	17.1	11.7	10.0	5.30
	W	1978	1586	1007	634	400	294	202	202	139	119	63.3

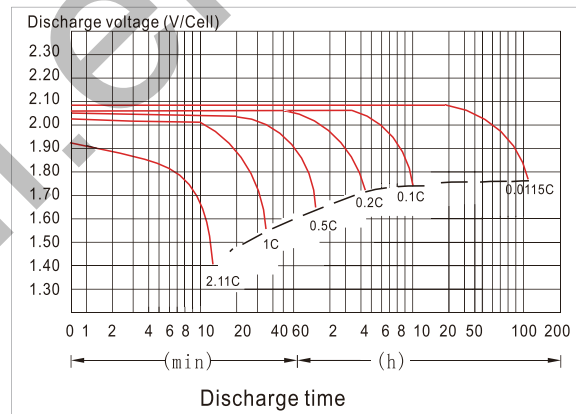
Above are cycle tests

▼ Discharge and Charge Characteristics

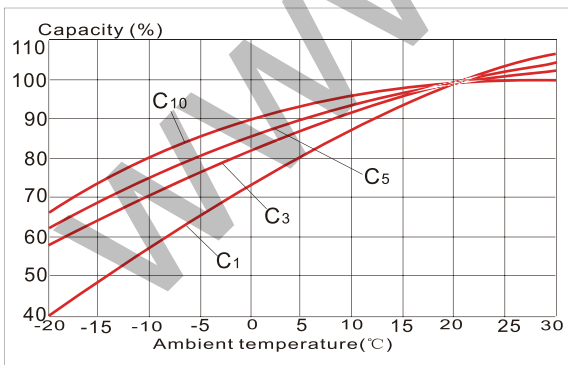
Charge Characteristics Curve



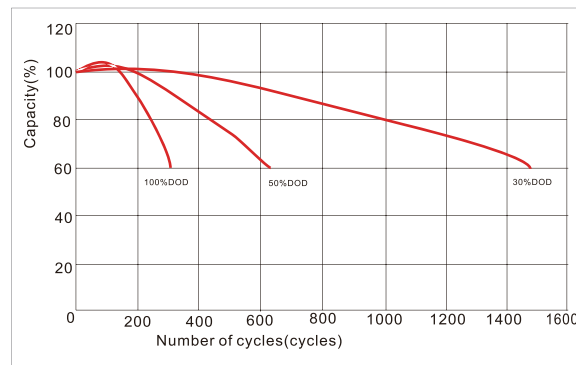
Discharge Characteristics Curve



Temperature Effects on Capacity



Cycle Life in Relation to Depth of Discharge



▼ Battery main material

Name	Positive Plate	Negative Plate	Battery Case	Battery Cover	Vent Valve	Terminal	Seperator	Electrolyte
Material	High tin Alloy Lead	Alloy Lead	ABS	ABS	Rubber	Lead/Copper	Fiberglass	Sulfuric Acid