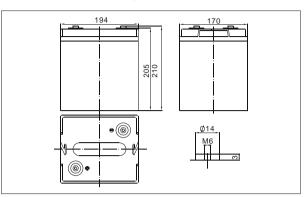


TC6-100

• Outer dimensions (mm)



TianChang sealed lead-acid rechargeable battery (VRLA battery) is leak-proof and maintenance free. The Superiority of VRLA battery is derived from its uniquely efficient oxygen recombination technology. The oxygen evolved from the positive plates diffuses through the micro porous glass fiber mat to the negative plates where it is changed back to water by recombination reaction, eliminating the need for water addition .The result is a maintenance free battery.

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Leaddioxide	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.

Specifications

Specification							
Nominal	Voltage	6V					
Capacity (10 hr 25℃)	100Ah					
Desig	n Life	10 Years					
	Length	194 mm (7.64 inch)					
Dimensione	Width	170 mm (6.69 inch)					
Dimensions	Height	205 mm (8.07 inch)					
	TotalHeight	21 0mm (8.27 inch)					
Approx	.Weight	16.5 Kg					
Consoity	10 hr rate	100Ah					
Capacity 25℃(77℉)	3 hr rate	80Ah					
20 - (11 1)	1 hr rate	65Ah					
	sistance (Full ry at 25℃(77°F)	3.3m Ω					

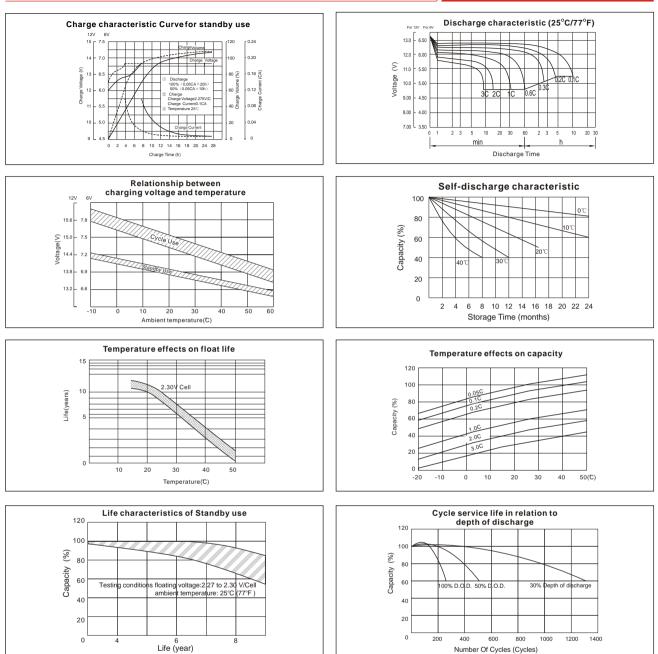
Application

- Alarm System
- Medical Equipment
- Cable Television
- Control Equipment
- UPS
- Communication Equipment
- Toys
- Emergency power System
- Power Tools
- Security System

Capacity	40 °C	102%					
affected	25 ℃	100%					
by Temperature	0 °C	85%					
(20hr)	-15 ℃	65%					
Calf Discharge	3 month	Remaining capacity: 91%					
Self-Discharge at 25℃	6 month	Remaining capacity: 82%					
u: 200	12 month	Remaining capacity: 65%					
Normal operat	ting temperature	25℃±3℃(77°F±5°F)					
Operating ten	nperature range	-15℃~50℃(5~122°F)					
Float chargin	g voltage(25°C)	6.80 to6.90V					
Cyclic chargir	ng voltage(25℃)	7.25 to 7.45V					
Maximum cl	naging current	30A					
Termina	almaterial	Copper					
Maximum Di	schage current	800A(5sec)					



TC6-100



	Constant Current DischargeCharacteristics(Amperes,25°C)							Constant Power Discharge Characteristics(Watts,25°C)								
F.V/Time	5min	10min	15 min	30min	1h	3h	5h	10h	5min	10min	15min	30min	1h	3h	5h	10h
5.40V	266.0	190.9	144.0	88.0	62.0	25.0	16.8	10.0	1465.0	1030.3	790.0	500.0	355.0	145.0	97.5	59.7
5.25V	280.0	198.5	165.0	98.0	63.0	26.0	17.4	10.1	1540.0	1063.6	1063.6	560.0	362.0	152.5	102.5	60.0
5.10V	300.0	204.5	175.9	108.0	64.0	26.5	17.8	10.2	1625.0	1097.0	965.0	615.0	368.0	155.0	104.0	60.3
4.80V	350.0	213.6	195.0	120.0	65.0	27.0	17.8	10.3	1900.0	1154.5	1075.0	690.0	373.0	157.5	105.0	60.6

