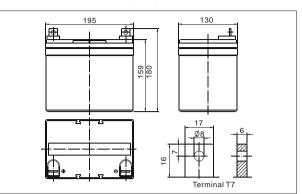


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• Outer dimensions (mm)



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	Pb	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

opcomoatio							
Nominal	Voltage	12V					
Capacity (10 hr 25℃)	36Ah					
Desig	n Life	10 Years					
	Length	195 mm (7.68 inch)					
Dimensions	Width	130 mm (5.12 inch)					
Dimensions	Height	159 mm (6.26 inch)					
	TotalHeight	180 mm (7.09 inch)					
Approx	.Weight	11.5 Kg (25.36 lbs)					
Consoity	10 hr rate	36Ah					
Capacity 25℃(77℉)	3 hr rate	28.8Ah					
200(111)	1 hr rate	23.40Ah					
	sistance (Full ry at 25℃(77°F)	9.5m Ω					

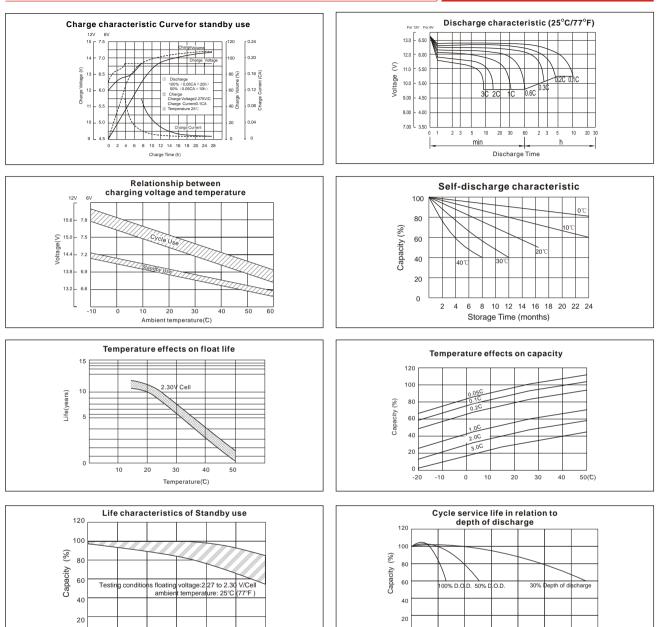
Application

- 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%					
Colf 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)	13.60 to13.80V					
Cyclic chargir	ng voltage(25℃)	14.50 to 14.90V					
Maximum cl	naging current	10.80A					
Termina	almaterial	Pb					
Maximum Di	schage current	360A(5sec)					



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400 600 800 1000 Number Of Cycles (Cycles) 1200 1400

	Constant Current DischargeCharacteristics(Amperes,25 $^\circ\!\!\!\!^\circ\!\!\!^\circ\!\!\!^\circ$)							Constant Power Discharge Characteristics(Watts,25°C)								
F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	5min	10min	15min	30min	1h	3h	5h	10h
10.80V	95.8	68.7	51.8	31.7	22.3	9.00	6.05	3.60	1054.8	741.8	568.8	360.0	255.6	104.4	70.2	43.0
10.50V	100.8	71.5	59.4	35.3	22.7	9.36	6.28	3.64	1108.8	765.8	765.8	403.2	260.6	109.8	73.8	43.2
10.20V	108.0	73.6	63.3	38.9	23.0	9.54	6.41	3.67	1170.0	789.8	694.8	442.8	265.0	111.6	74.9	43.4
9.60V	126.0	76.9	70.2	43.2	23.4	9.72	6.41	3.71	1368.0	831.3	774.0	496.8	268.6	113.4	75.6	43.6

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6 Life (year) 0

200



0