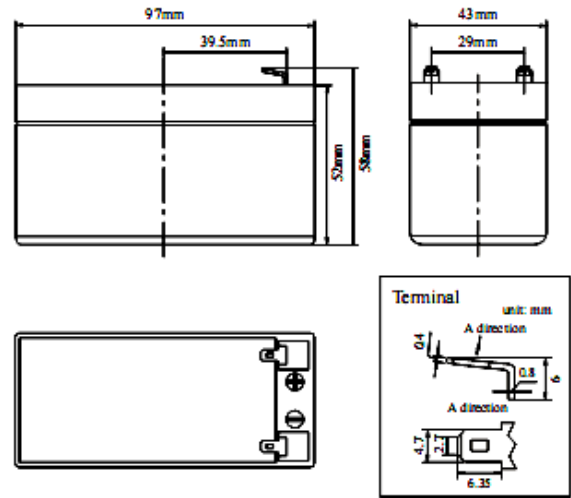


Product Image

TC battery 



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		1.3Ah
Capacity 25°C (77°F)	10 hour rate (0.12A)	1.2Ah
	5 hour rate (0.23A)	1.15Ah
	1 hour rate (0.86A)	0.86Ah
Internal Resistance	Full Charged Battery 25°C	≤46mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 0.4A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 0.4A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	97mm
	Width	43mm
	Height	52mm
	Total Height	58mm
Box Dimensions	Length	254mm
	Width	228mm
	Height	170mm
Quantity Per Box		20 pcs per box
Net weight Per Cell		0.54kg±30g
Net weight Per Box		10.8kg
Gross Weight		11.3kg

Discharge Constant Current per Cell (Amperes at 77°F 25°C)

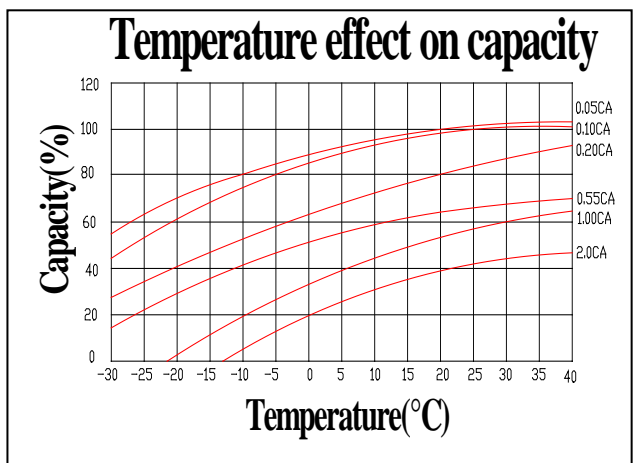
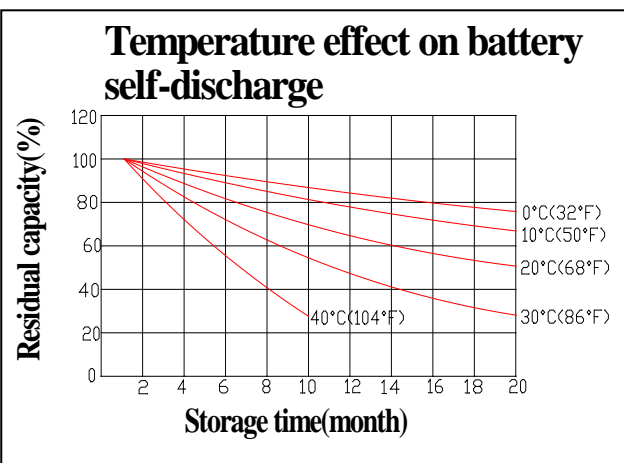
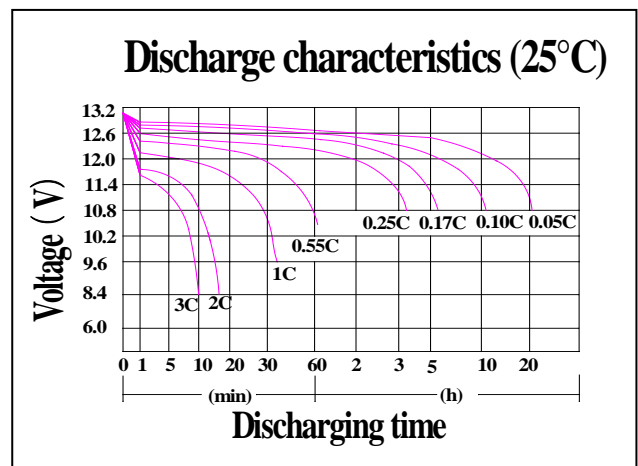
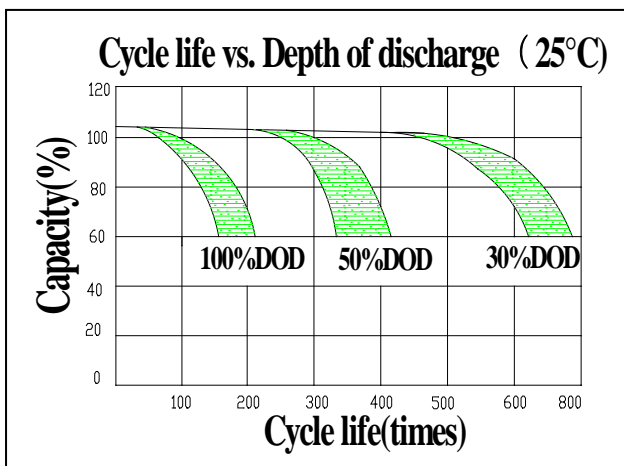
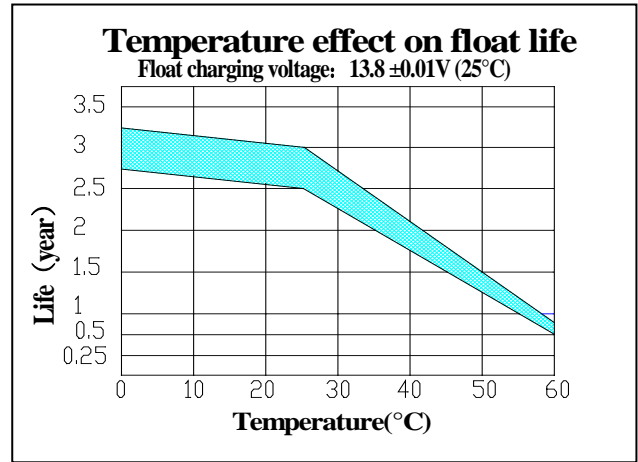
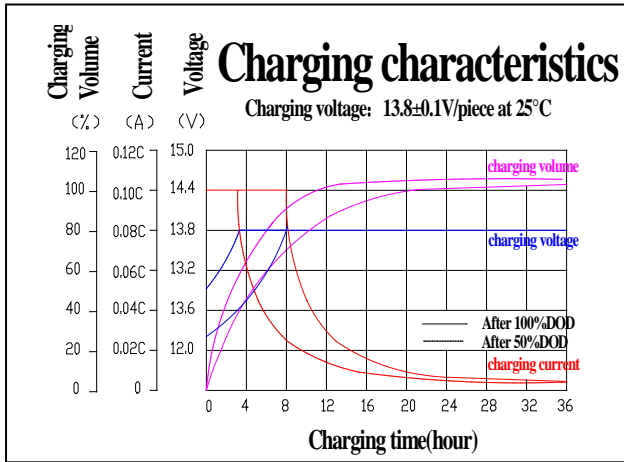
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	4.29	2.86	2.15	1.43	1.00	0.86	0.54	0.37	0.25	0.16	0.14	0.072
1.65V	4.21	2.81	2.11	1.40	0.98	0.84	0.53	0.36	0.24	0.16	0.13	0.070
1.70V	4.13	2.76	2.07	1.38	0.96	0.83	0.52	0.35	0.24	0.16	0.13	0.069
1.75V	4.06	2.70	2.03	1.35	0.95	0.81	0.51	0.35	0.23	0.16	0.13	0.068
1.80V	3.90	2.60	1.96	1.30	0.91	0.78	0.49	0.33	0.22	0.15	0.12	0.065

Discharge Constant Power per Cell (Watts at 77°F 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	8.26	5.51	4.14	2.75	1.93	1.65	1.03	0.71	0.47	0.32	0.26	0.14
1.65V	8.11	5.41	4.07	2.70	1.89	1.62	1.01	0.69	0.46	0.31	0.26	0.14
1.70V	7.96	5.31	3.99	2.65	1.86	1.59	0.99	0.68	0.45	0.31	0.25	0.13
1.75V	7.81	5.21	3.92	2.60	1.82	1.56	0.98	0.67	0.45	0.30	0.25	0.13
1.80V	7.51	5.01	3.77	2.50	1.75	1.50	0.94	0.64	0.43	0.29	0.24	0.13

**Note** The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.

## Performance Characteristics



## Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Copper	Fiberglass	Sulfuric acid