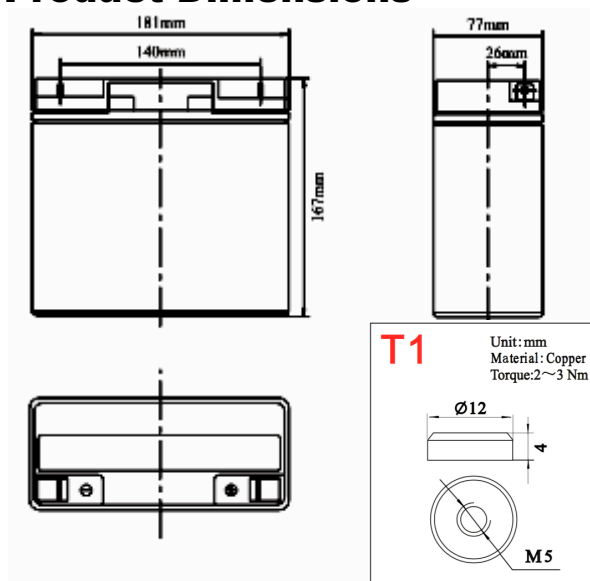


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		18Ah
Capacity 25°C (77°F)	10 hour rate (1.57A)	15.7Ah
	5 hour rate (2.88A)	14.4Ah
	1 hour rate (10.6A)	10.6Ah
Internal Resistance	Full Charged Battery 25°C	≤16m Ω
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	85%
	after 6 month storage	75%
	after 12 month storage	60%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 5.4A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 5.4A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	181mm
	Width	77mm
	Height	167mm
Box Dimensions	Total Height	167mm
	Length	341mm
	Width	195mm
Quantity Per Box		4 pcs per box
Net weight Per Cell		5.1 kg±150g
Net weight Per Box		20.4kg
Gross Weight		20.9kg

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

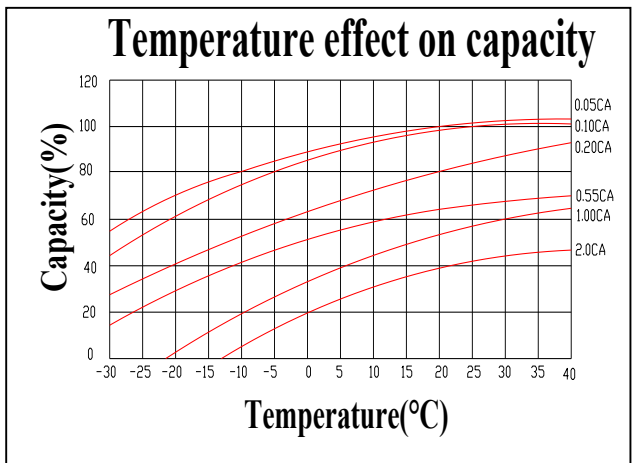
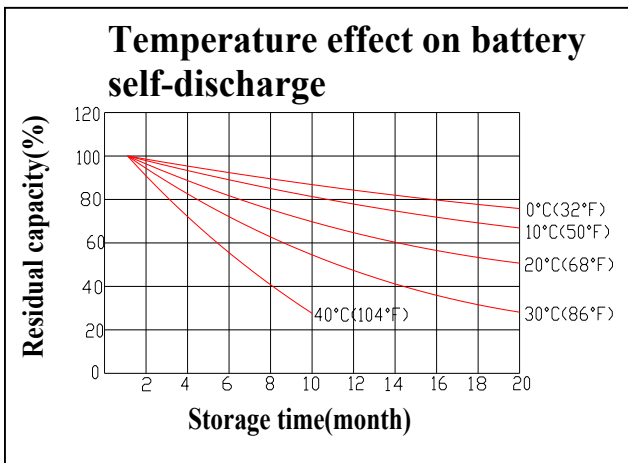
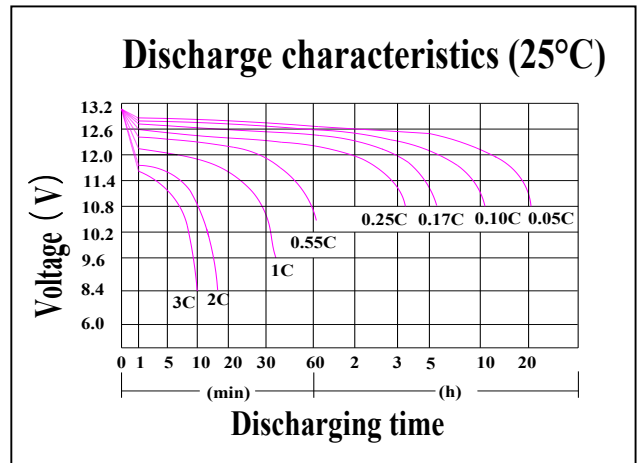
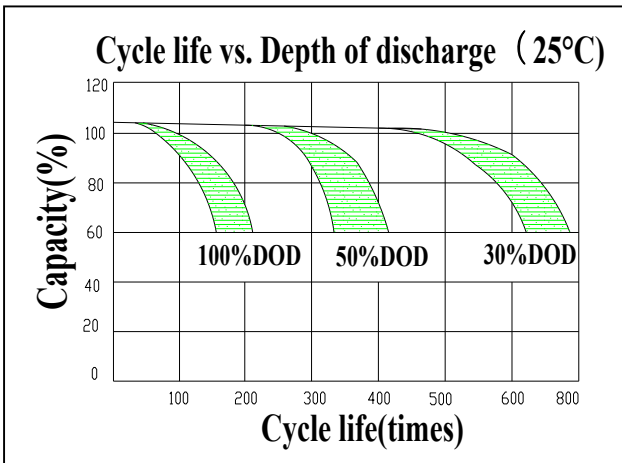
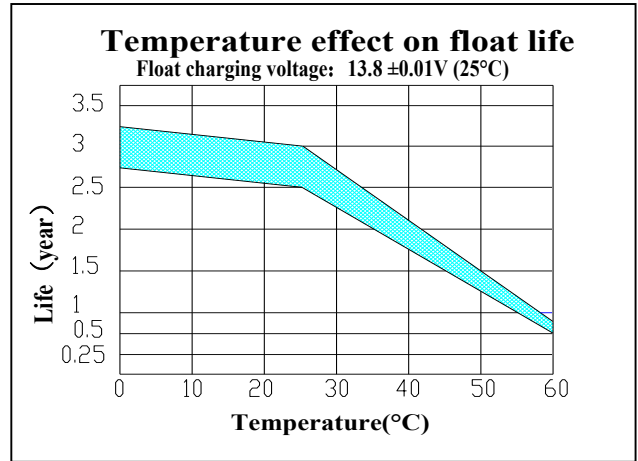
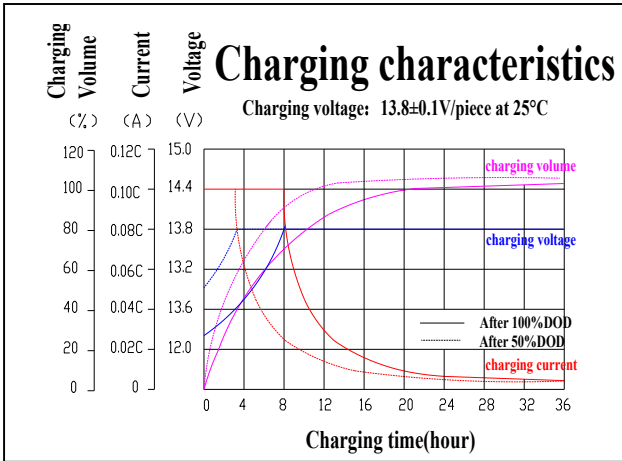
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	
1.60V	69.5	47.2	34.9	20.7	14.4	11.3	6.57	5.07	3.33	2.18	1.81	0.95
1.65V	63.0	43.5	32.7	19.6	13.8	11.2	6.30	4.92	3.22	2.16	1.79	0.94
1.70V	57.1	40.3	30.7	18.6	13.5	10.9	6.21	4.72	3.14	2.13	1.75	0.93
1.75V	51.9	37.0	28.8	17.9	13.0	10.6	6.06	4.59	3.06	2.10	1.72	0.91
1.80V	46.0	33.6	26.3	17.2	12.5	10.1	5.84	4.51	2.98	2.06	1.67	0.90

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	115	80.2	61.1	37.7	26.7	21.3	12.5	9.68	6.42	4.26	3.56	1.86
1.65V	107	75.6	58.1	36.0	25.8	21.2	12.0	9.44	6.24	4.23	3.52	1.85
1.70V	98.3	70.7	55.1	34.4	25.4	20.8	11.9	9.09	6.09	4.17	3.46	1.83
1.75V	91.8	66.4	52.3	33.2	24.5	20.3	11.6	8.86	5.95	4.12	3.39	1.80
1.80V	83.2	61.4	48.5	32.3	23.8	19.5	11.3	8.74	5.82	4.06	3.31	1.78

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. Contact **TIGER CENTURY** for the latest information.

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