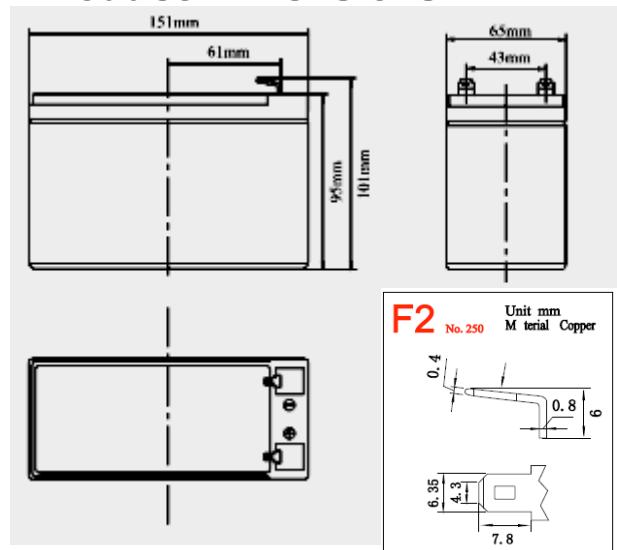


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		7Ah
Capacity 25°C (77°F)	10 hour rate (0.651A)	6.51Ah
	5 hour rate (1.19A)	5.95Ah
	1 hour rate (4.40A)	4.40Ah
Internal Resistance	Full Charged Battery 25°C	≤23mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
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 2.1A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 2.1A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	151mm
	Width	65mm
	Height	94mm
	Total Height	100mm
Box Dimensions	Length	364mm
	Width	165mm
	Height	141mm
Quantity Per Box		5 pcs per box
Net weight Per Cell		2.02 kg±100g
Net weight Per Box		10.1kg
Gross Weight		10.6kg

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

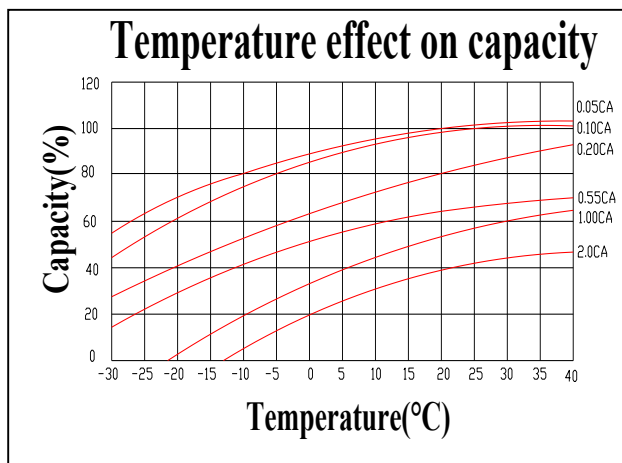
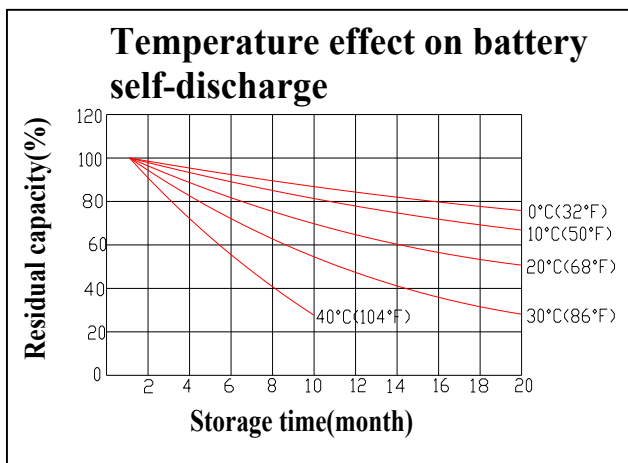
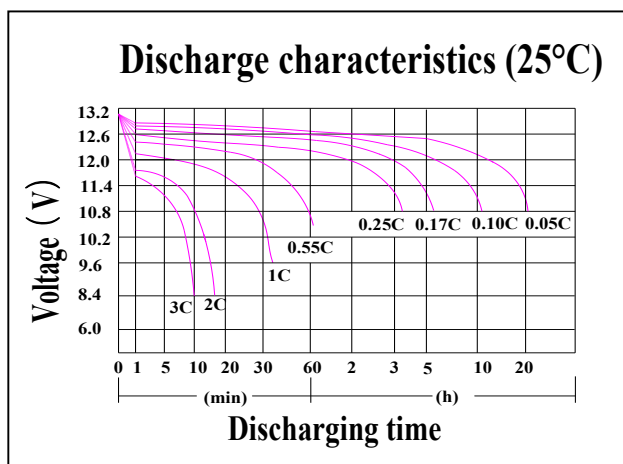
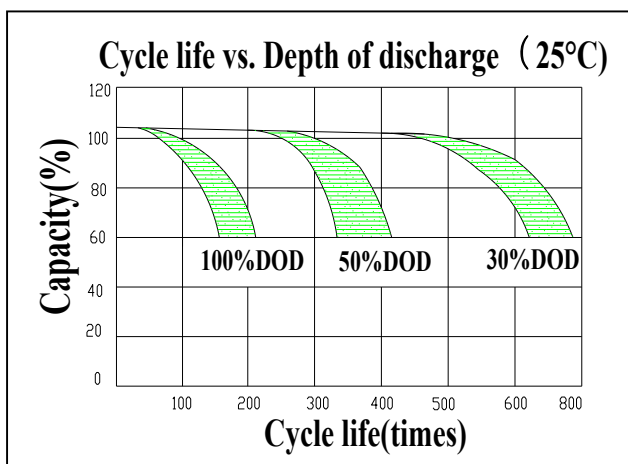
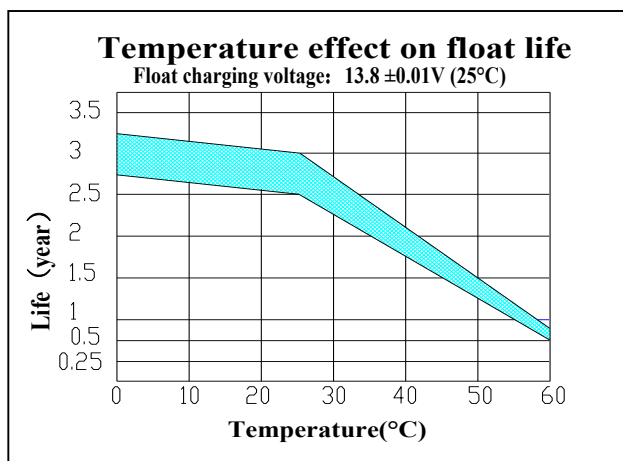
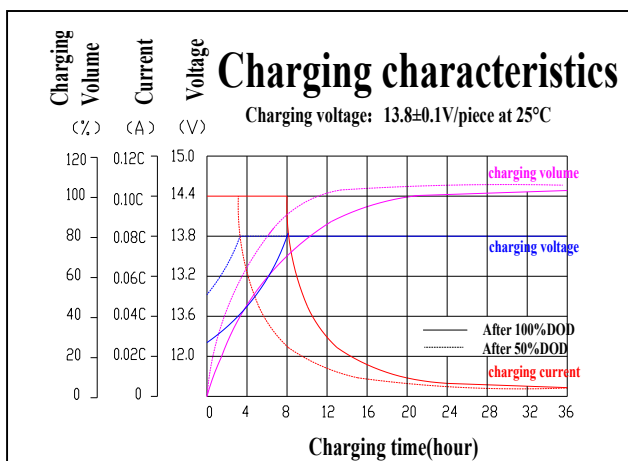
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	27.0	18.4	13.6	8.05	5.60	4.40	2.56	1.97	1.30	0.848	0.704	0.367
1.65V	24.5	16.9	12.7	7.63	5.37	4.35	2.45	1.91	1.25	0.840	0.696	0.365
1.70V	22.2	15.7	11.9	7.23	5.24	4.26	2.42	1.83	1.22	0.827	0.682	0.360
1.75V	20.2	14.4	11.2	6.94	5.04	4.13	2.36	1.79	1.19	0.816	0.669	0.354
1.80V	17.9	13.1	10.2	6.69	4.86	3.94	2.27	1.75	1.16	0.802	0.651	0.350

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	44.8	31.2	23.8	14.7	10.4	8.26	4.85	3.76	2.50	1.656	1.383	0.722
1.65V	41.6	29.4	22.6	14.0	10.0	8.23	4.67	3.67	2.43	1.644	1.370	0.719
1.70V	38.2	27.5	21.4	13.4	9.86	8.10	4.63	3.54	2.37	1.622	1.345	0.710
1.75V	35.7	25.8	20.3	12.9	9.52	7.88	4.53	3.45	2.31	1.602	1.319	0.698
1.80V	32.4	23.9	18.9	12.6	9.26	7.57	4.38	3.40	2.26	1.578	1.286	0.692

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