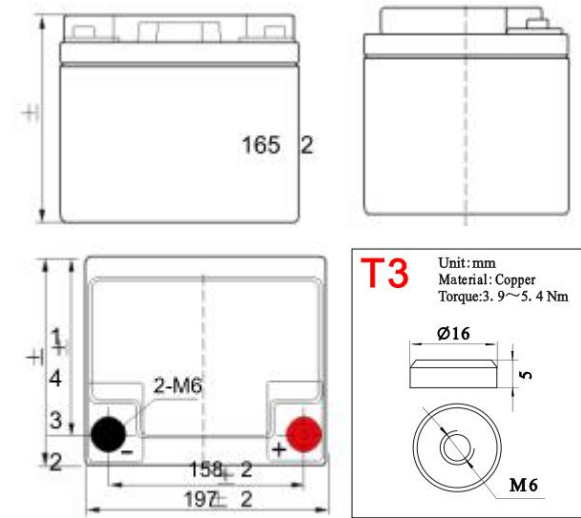


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (10 hour rate)		40Ah
Capacity 25°C (77°F)	20 hour rate (2.215A)	42.5Ah
	5 hour rate (6.55A)	32.7Ah
	1 hour rate (23.2A)	23.2Ah
Internal Resistance	Full Charged Battery 25°C	≤10m 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 11.4A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 11.4A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	197mm
	Width	165mm
	Height	176mm
	Total Height	176mm
Box Dimensions	Length	213mm
	Width	179mm
	Height	211mm
Quantity Per Box		1 PC per box
Net weight Per Cell		11.75 kg±100g
Net weight Per Box		11.75kg
Gross Weight		12.25kg

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

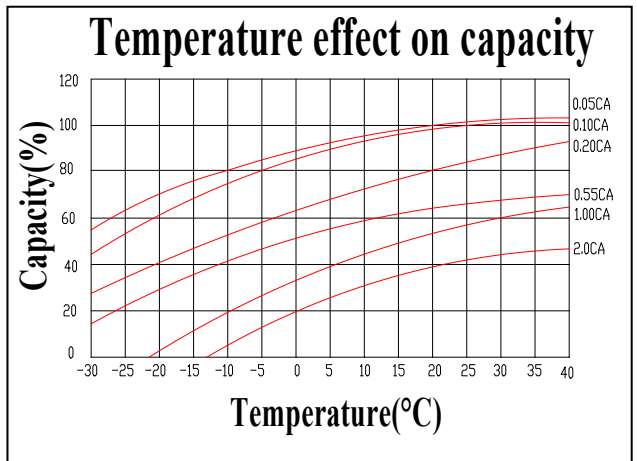
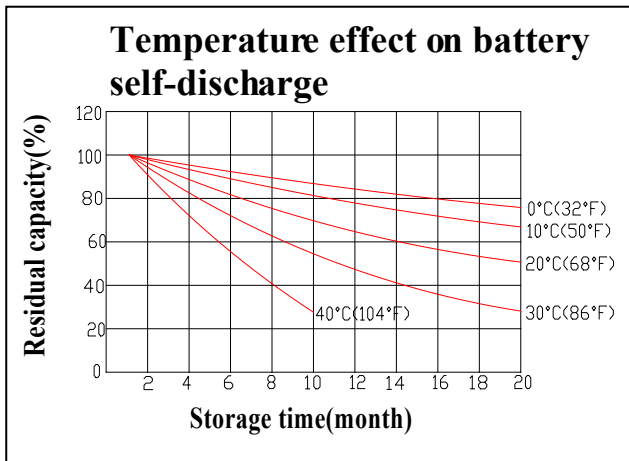
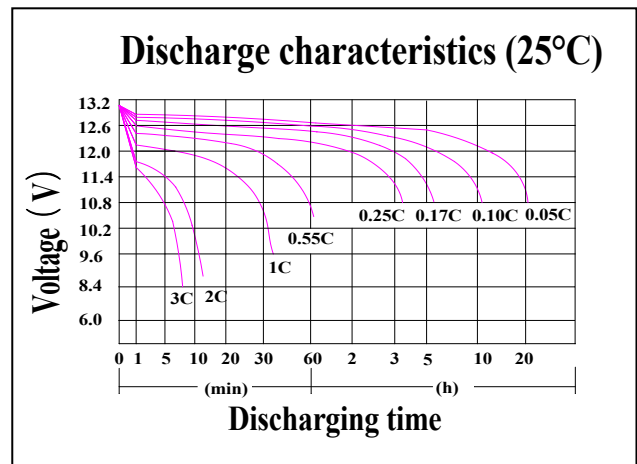
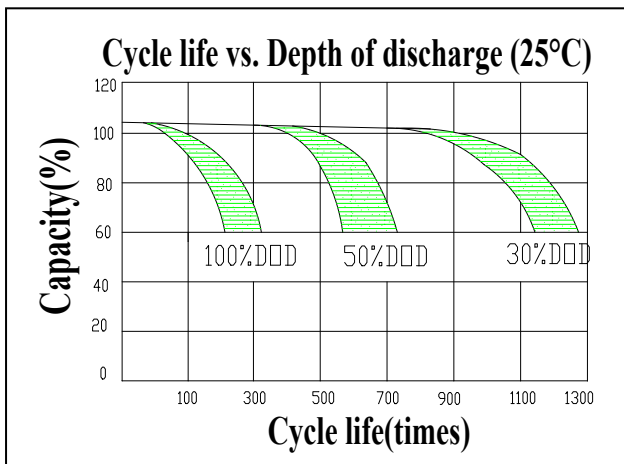
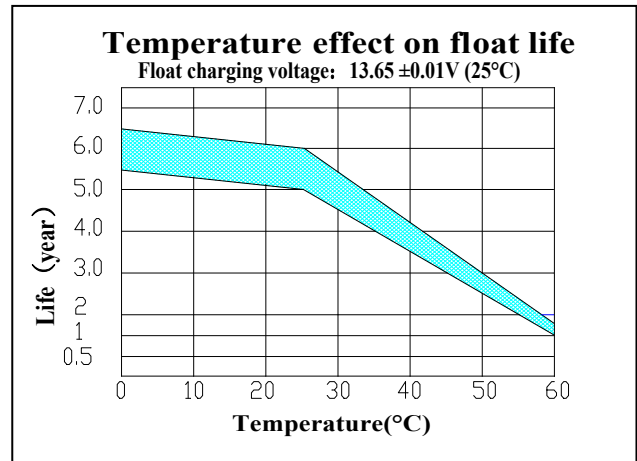
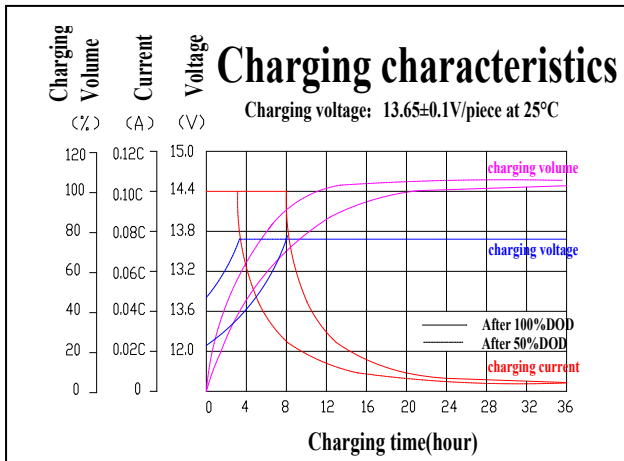
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	131.8	91.7	69.7	41.0	29.3	23.2	14.3	10.9	7.13	4.71	4.00	2.07
1.65V	119.5	84.4	65.1	38.9	28.1	22.4	13.8	10.6	6.90	4.67	3.96	2.06
1.70V	108.4	78.2	61.3	36.9	27.5	21.7	13.4	10.2	6.71	4.59	3.88	2.03
1.75V	98.4	71.8	57.4	35.4	26.4	21.0	12.9	9.89	6.54	4.53	3.84	2.00
1.80V	87.3	65.3	52.5	34.1	25.4	20.1	12.5	9.71	6.38	4.45	3.80	1.98

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	218.5	155.8	121.9	74.8	54.4	43.6	27.1	20.9	13.7	9.20	7.86	4.08
1.65V	202.8	146.9	115.9	71.4	52.5	42.3	26.3	20.3	13.3	9.13	7.79	4.06
1.70V	186.6	137.4	109.9	68.2	51.7	41.2	25.8	19.6	13.0	9.01	7.64	4.01
1.75V	174.3	128.9	104.3	65.9	49.9	40.1	24.8	19.1	12.7	8.90	7.57	3.94
1.80V	157.9	119.3	96.7	64.0	48.5	38.5	24.0	18.8	12.4	8.77	7.51	3.91

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