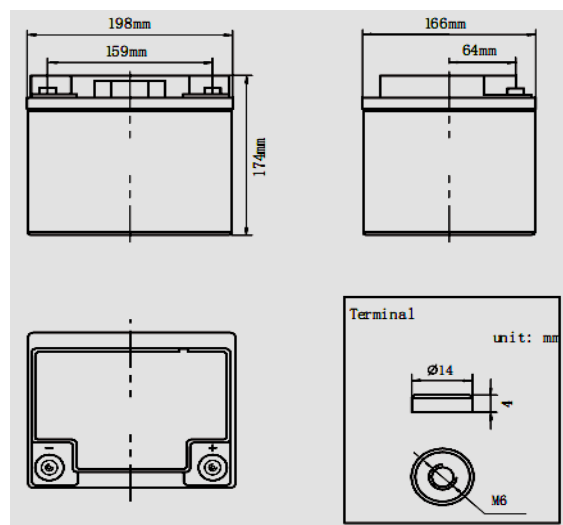


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		50Ah
Capacity 25°C (77°F)	10 hour rate (4.66A)	46.6Ah
	5 hour rate (7.2A)	36Ah
	1 hour rate (27A)	27Ah
Internal Resistance	Full Charged Battery 25°C	≤9mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	90%
	-15°C (5°F)	70%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	92%
	after 6 month storage	84%
	after 12 month storage	65%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 10.5A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 10.5A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	198mm
	Width	166mm
	Height	174mm
	Total Height	174mm
Box Dimensions	Length	213mm
	Width	179mm
	Height	211mm
Quantity Per Box		1 PC per box
Net weight Per Cell		13 kg±3%
Net weight Per Box		13kg
Gross Weight		13.5kg

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

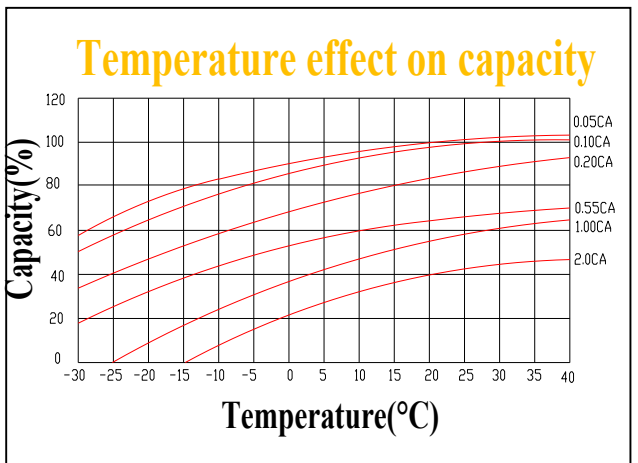
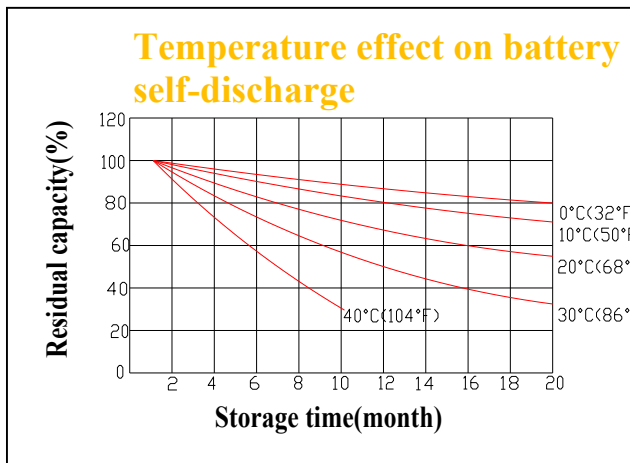
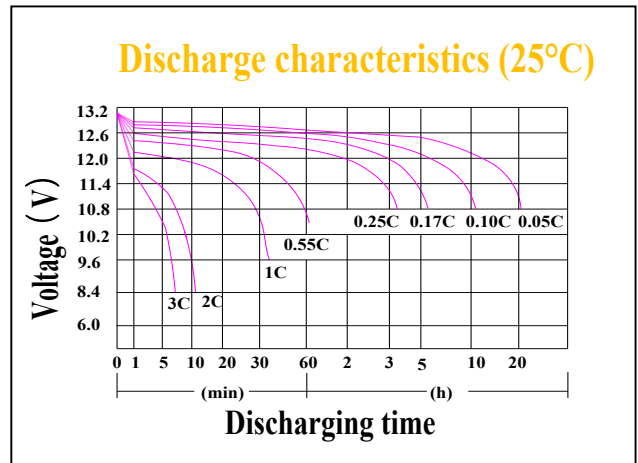
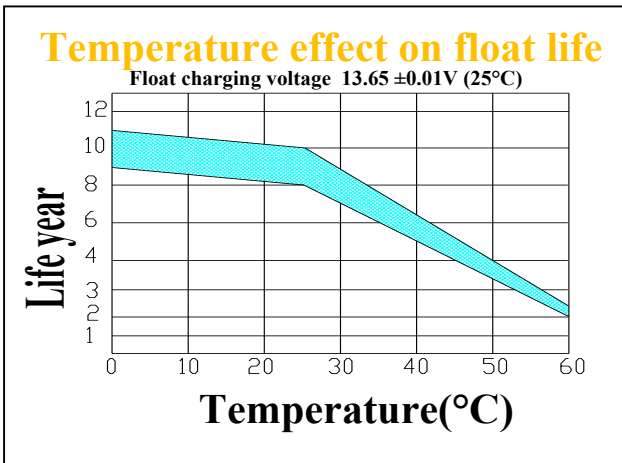
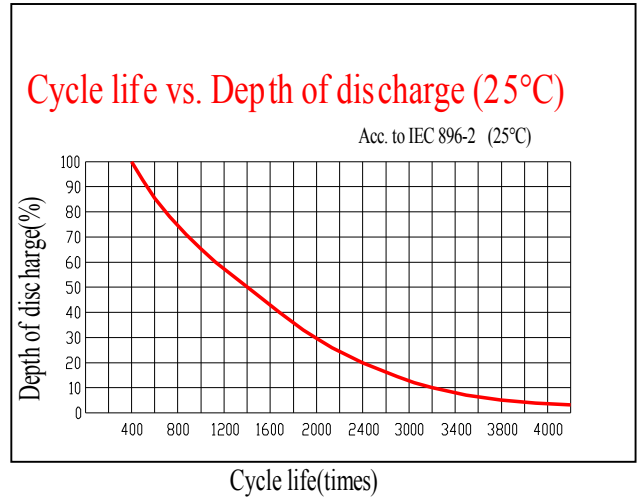
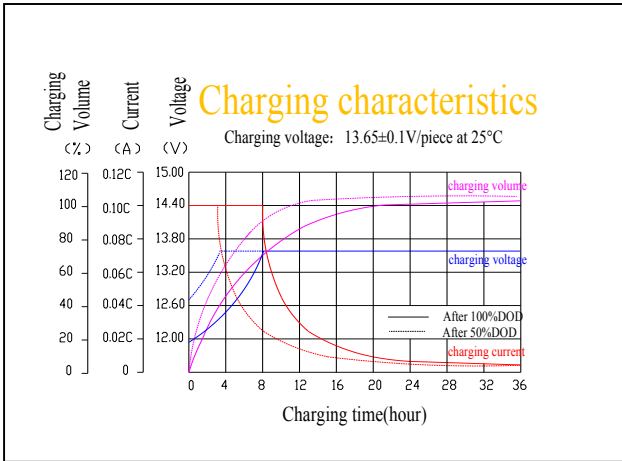
F.V/Time	10min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.6V	100	55	30	17.5	12.9	10.0	8.3	5.7	4.8	2.6
10.2V	95.0	55.5	28.2	16.7	12.5	9.8	8.1	5.7	4.7	2.5
10.5V	90.0	51.0	27.5	16.3	12.2	9.6	8.0	5.6	4.7	2.5
10.80V	85.0	47.0	26.5	15.9	11.9	9.5	7.8	5.5	4.6	2.4
11.0V	80.0	42.0	25.0	15.5	11.5	9.2	7.6	5.3	4.4	2.4

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

F.V/Time	10min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.6V	1060	586	321	189	141	110	91.0	63.3	52.7	29.1
10.2V	1045	613	313	187	141	111	92	64	53	29
10.5V	1008	574	311	186	140	110	92	64	53	29
10.80V	965	536	303	184	138	110	91	63	54	28
11.0V	920	485	290	181	135	108	90	63	52	28

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	GEL