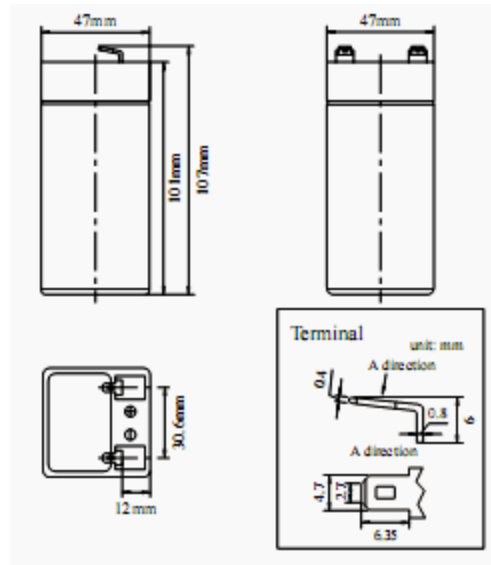


Product Image



Product Dimensions



Characteristics

Nominal Voltage		4V
Nominal Capacity (20 hour rate)		4Ah
Capacity 25°C (77°F)	10 hour rate (0.38A)	3.8Ah
	5 hour rate (0.71A)	3.55Ah
	1 hour rate (2.64A)	2.64Ah
Internal Resistance	Full Charged Battery 25°C	≤14mΩ
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)	after 3 month storage	90%
	after 6 month storage	80%
Capacity	after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 1.2A Voltage 4.53-4.6V
	Cycle	Initial Charging Current Less than 1.2A Voltage 4.8-5.0V

Packaging

Battery Dimensions	Length	47mm
	Width	47mm
	Height	101mm
	Total Height	107mm
Box Dimensions	Length	274mm
	Width	160mm
	Height	147mm
Quantity Per Box		10 pcs per box
Net weight Per Cell		0.50 kg±20g
Net weight Per Box		5.0kg
Gross Weight		5.4kg

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

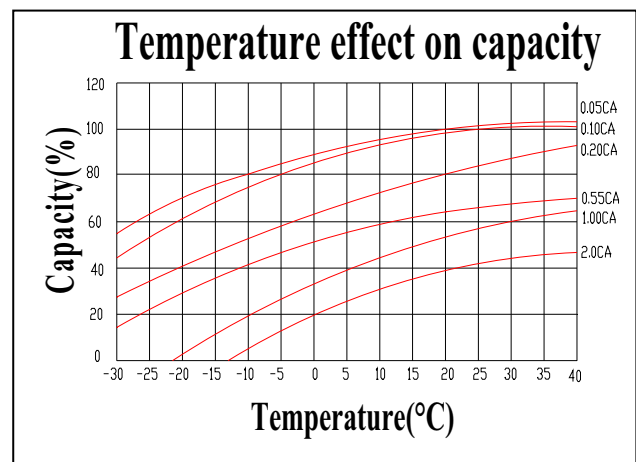
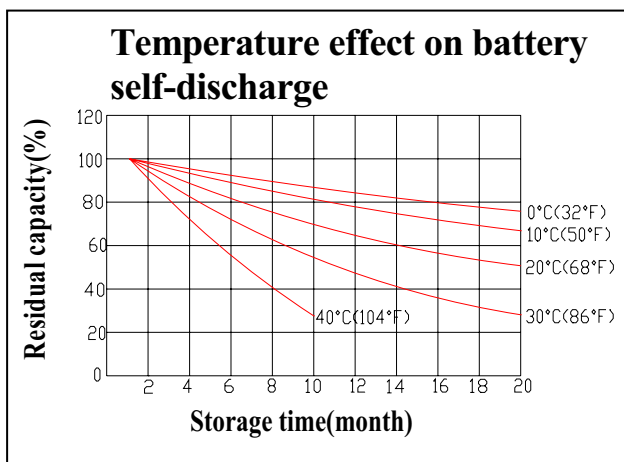
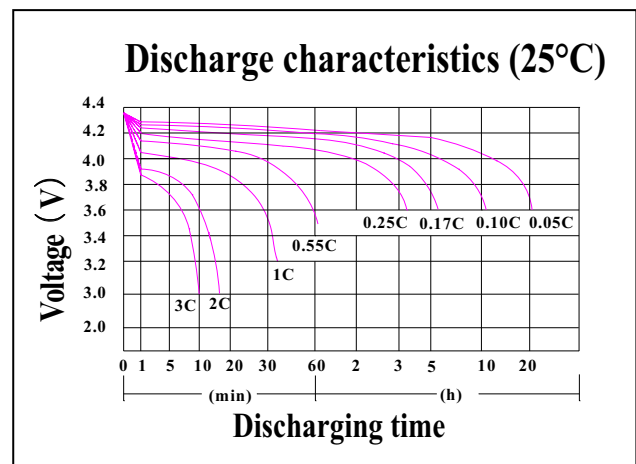
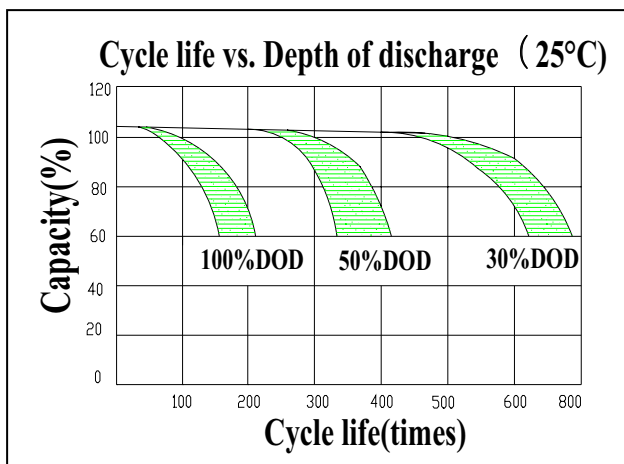
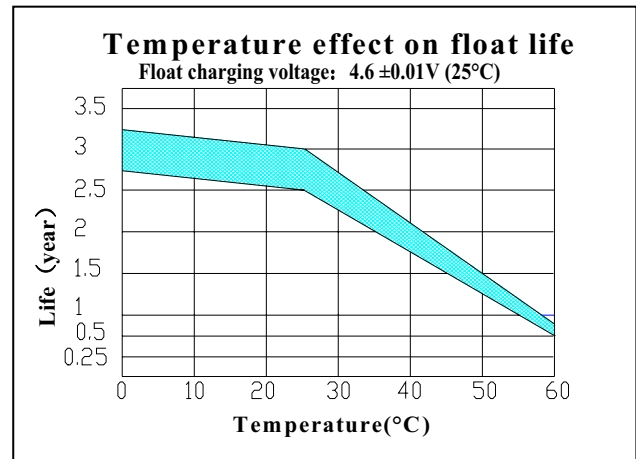
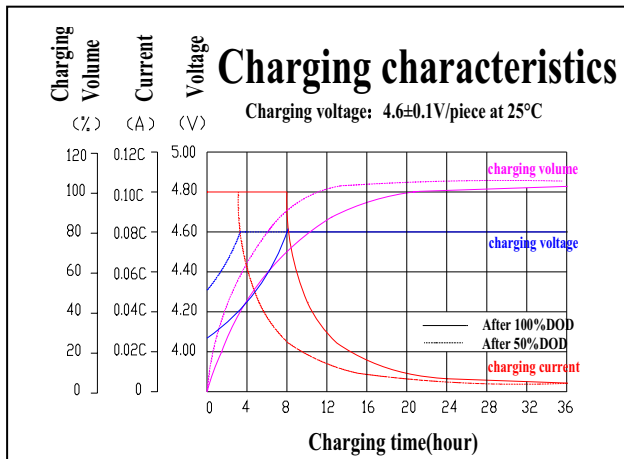
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	13.20	8.80	6.62	4.40	3.08	2.64	1.65	1.13	0.75	0.51	0.42	0.22
1.65V	12.96	8.64	6.50	4.32	3.02	2.59	1.62	1.11	0.74	0.50	0.41	0.22
1.70V	12.72	8.48	6.38	4.24	2.97	2.54	1.59	1.09	0.73	0.49	0.40	0.21
1.75V	12.48	8.32	6.26	4.16	2.91	2.50	1.56	1.07	0.71	0.48	0.40	0.21
1.80V	12.00	8.00	6.02	4.00	2.80	2.40	1.50	1.03	0.69	0.46	0.38	0.20

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	25.41	16.94	12.75	8.47	5.93	5.08	3.18	2.18	1.45	0.98	0.81	0.42
1.65V	24.95	16.63	12.51	8.32	5.82	4.99	3.12	2.14	1.42	0.96	0.79	0.42
1.70V	24.49	16.32	12.28	8.16	5.71	4.90	3.06	2.10	1.40	0.94	0.78	0.41
1.75V	24.02	16.02	12.05	8.01	5.61	4.80	3.00	2.06	1.37	0.92	0.76	0.40
1.80V	23.10	15.40	11.59	7.70	5.39	4.62	2.89	1.98	1.32	0.89	0.73	0.39

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 **MCA** 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