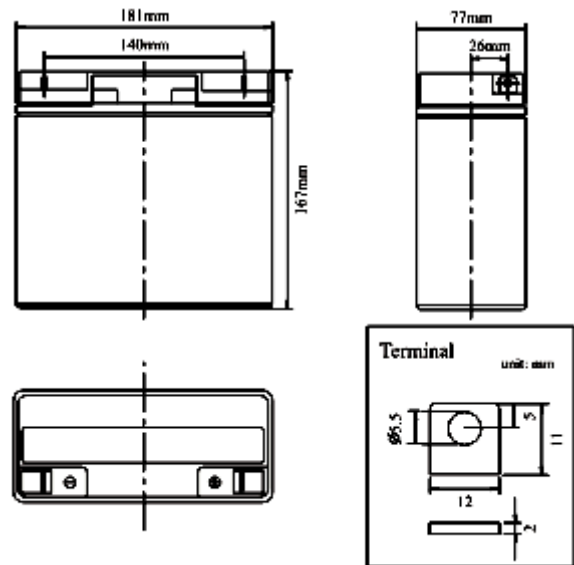


### Product Image



### Product Dimensions



### Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		20Ah
Capacity 25°C (77°F)	10 hour rate (1.90A)	19.0Ah
	5 hour rate (3.56A)	17.8Ah
	1 hour rate (13.2A)	13.2Ah
Internal Resistance	Full Charged Battery 25°C	≤11m 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	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 6.0A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 6.0A Voltage 14.4-15.0V

### Packaging

Battery Dimensions	Length	181mm
	Width	77mm
	Height	167mm
	Total Height	167mm
Box Dimensions	Length	341mm
	Width	195mm
	Height	213mm
Quantity Per Box		4 PC per box
Net weight Per Cell		5.8kg±150g
Net weight Per Box		23.2kg
Gross Weight		23.7kg

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

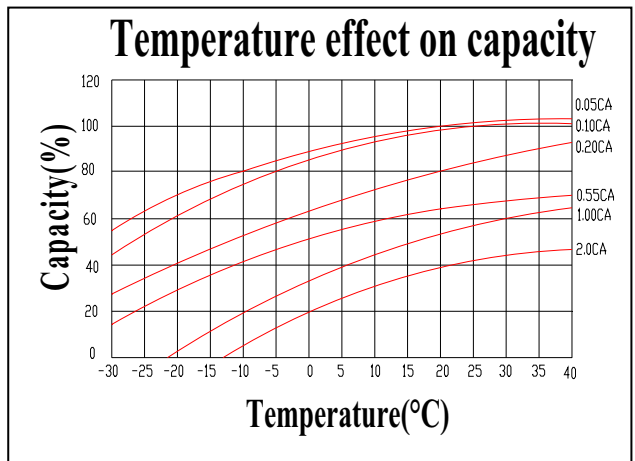
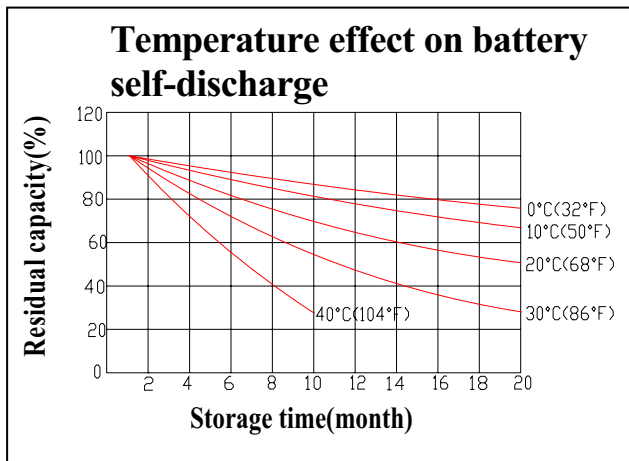
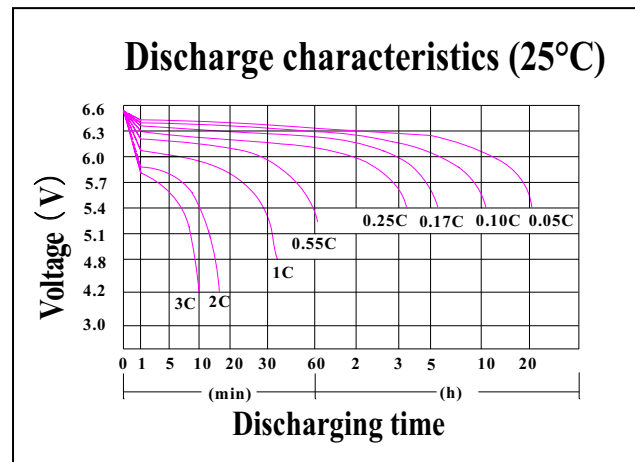
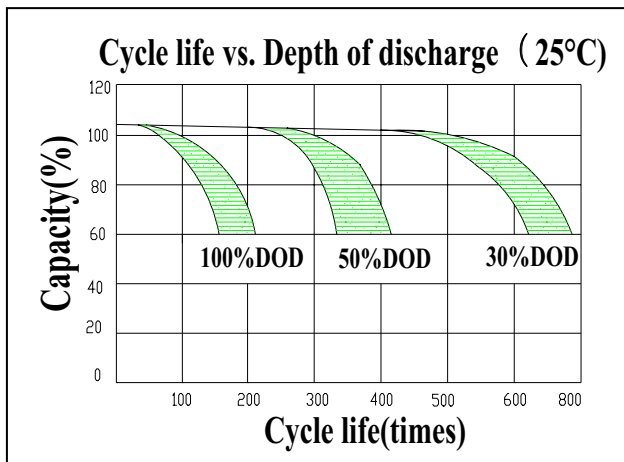
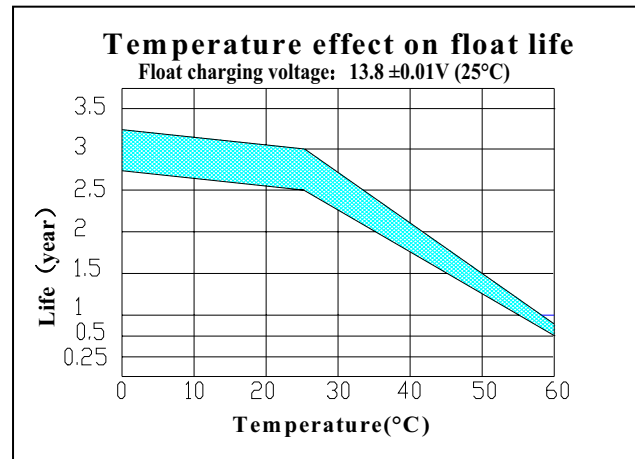
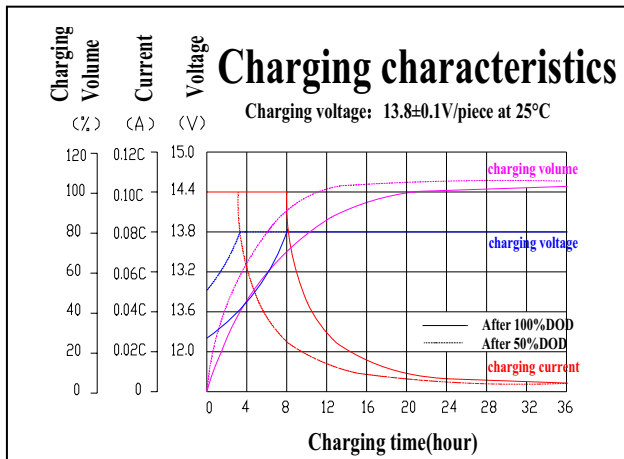
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	66.00	44.00	33.11	22.00	15.40	13.20	8.25	5.65	3.77	2.53	2.09	1.10
1.65V	64.80	43.20	32.50	21.60	15.12	12.96	8.10	5.55	3.70	2.49	2.06	1.08
1.70V	63.60	42.40	31.90	21.20	14.84	12.72	7.95	5.45	3.63	2.44	2.02	1.06
1.75V	62.40	41.60	31.30	20.80	14.56	12.48	7.80	5.35	3.56	2.40	1.98	1.04
1.80V	60.00	40.00	30.10	20.00	14.00	12.00	7.50	5.14	3.43	2.30	1.90	1.00

#### 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	127.05	84.70	63.73	42.35	29.65	25.41	15.88	10.88	7.26	4.88	4.03	2.12
1.65V	124.74	83.16	62.57	41.58	29.11	24.95	15.59	10.69	7.12	4.79	3.96	2.08
1.70V	122.43	81.62	61.41	40.81	28.57	24.49	15.30	10.49	6.99	4.70	3.88	2.04
1.75V	120.12	80.08	60.25	40.04	28.03	24.02	15.02	10.29	6.86	4.61	3.81	2.00
1.80V	115.50	77.00	57.94	38.50	26.95	23.10	14.44	9.89	6.60	4.43	3.66	1.93

**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