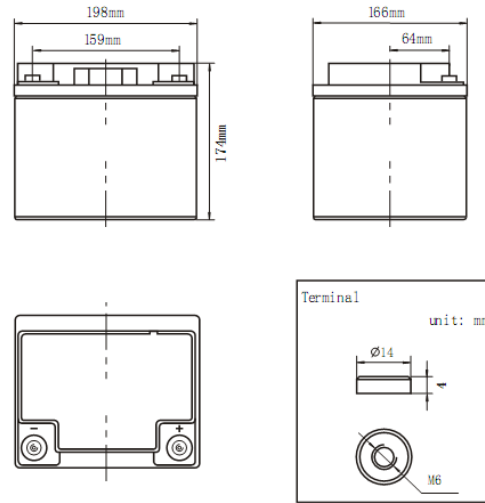


### Product Image



### Product Dimensions



### Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		40Ah
Capacity 25°C (77°F)	10 hour rate (3.6A)	36.0Ah
	5 hour rate (6.4A)	32.0Ah
	1 hour rate (22.0A)	22.0Ah
Internal Resistance	Full Charged Battery 25°C	≤10mΩ
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 10A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 10A Voltage 14.4-14.9V

### Packing

Battery Dimensions	Length	198mm
	Width	166mm
	Height	174mm
	Total Height	174mm
Box Dimensions	Length	212mm
	Width	180mm
	Height	220mm
Quantity Per Box		1 PC per box
Net weight Per Cell		14 kg ± 100g
Net weight Per Box		14kg
Gross Weight		14.5kg

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

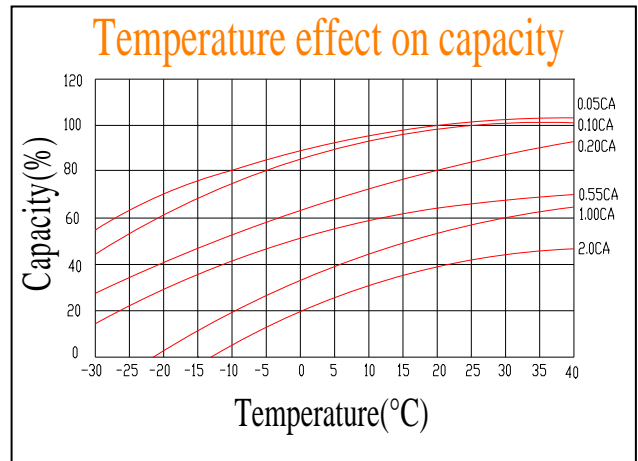
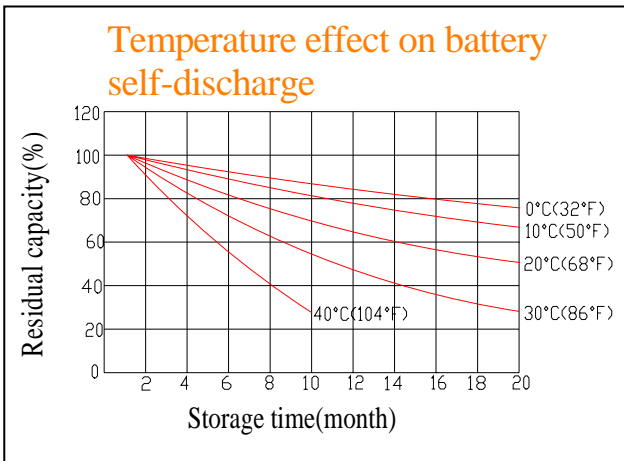
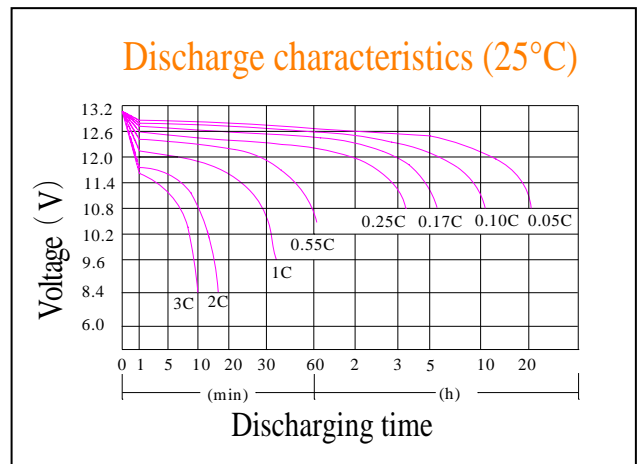
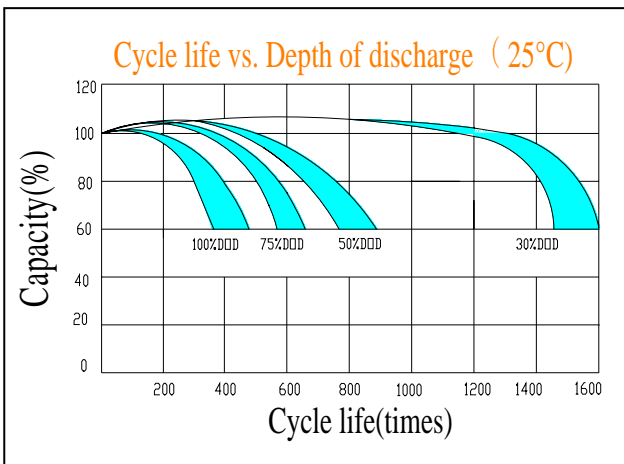
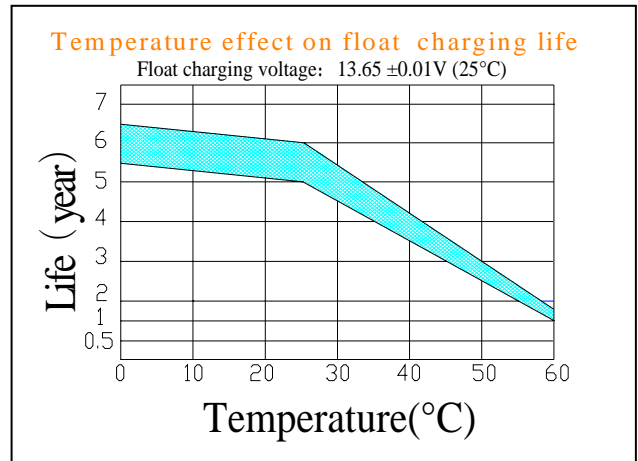
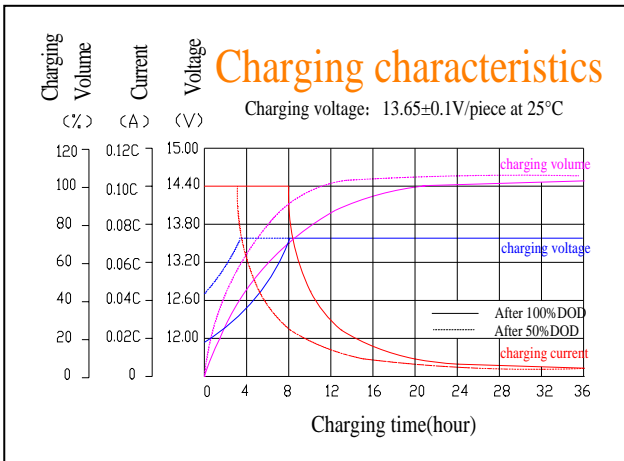
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	95.0	60.6	51.5	32.9	24.2	22.2	10.1	9.9	6.7	4.4	4.0	2.2
1.65V	93.3	59.5	50.5	32.3	23.7	21.8	10.0	9.7	6.6	4.4	3.9	2.16
1.70V	91.6	58.4	49.6	31.7	23.3	21.4	9.8	9.5	6.5	4.3	3.8	2.12
1.75V	89.9	57.3	48.7	31.1	22.8	21.0	9.6	9.4	6.4	4.2	3.7	2.08
1.80V	86.4	55.1	46.8	29.9	22.0	20.2	9.2	9.0	6.1	4.0	3.6	2.00

### 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	183.0	116.6	99.1	63.3	46.5	42.7	19.5	19.1	13.0	8.5	7.6	4.2
1.65V	179.6	114.5	97.3	62.1	45.7	41.9	19.2	18.7	12.7	8.4	7.5	4.2
1.70V	176.3	112.4	95.5	61.0	44.8	41.1	18.8	18.4	12.5	8.2	7.3	4.1
1.75V	173.0	110.3	93.7	59.8	44.0	40.4	18.5	18.0	12.3	8.1	7.2	4.0
1.80V	166.3	106.0	90.1	57.5	42.3	38.8	17.7	17.3	11.8	7.8	6.9	3.8

**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	Rubber	Copper	Fiberglass	Sulfuric acid