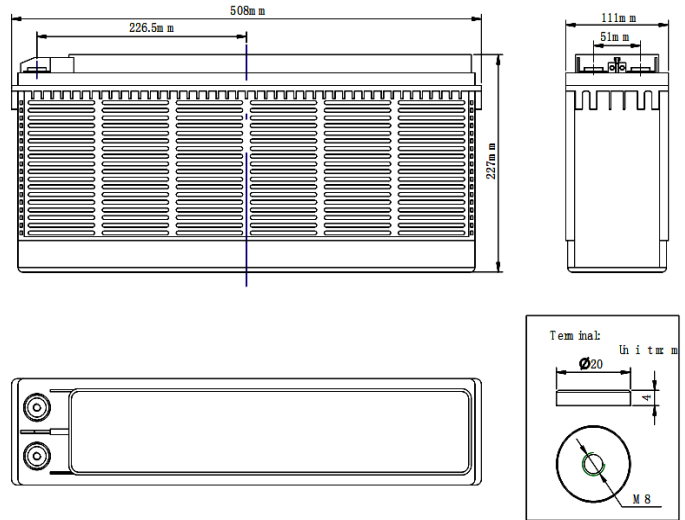


### Product Image



### Product Dimensions



### Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		100Ah
Capacity 25°C (77°F)	10 hour rate (9.52A)	95.2Ah
	5 hour rate (17.8A)	89Ah
	1 hour rate (66A)	66Ah
Internal Resistance	Full Charged Battery 25°C	≤4mΩ
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 20A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 20A Voltage 14.4-14.9V

### Packaging

Battery Dimensions	Length	508mm
	Width	111mm
	Height	227mm
	Total Height	227mm
Box Dimensions	Length	517mm
	Width	125mm
	Height	287mm
Quantity Per Box		1 PC per box
Net weight Per Cell		32 kg±400g
Net weight Per Box		32kg
Gross Weight		32.5kg

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

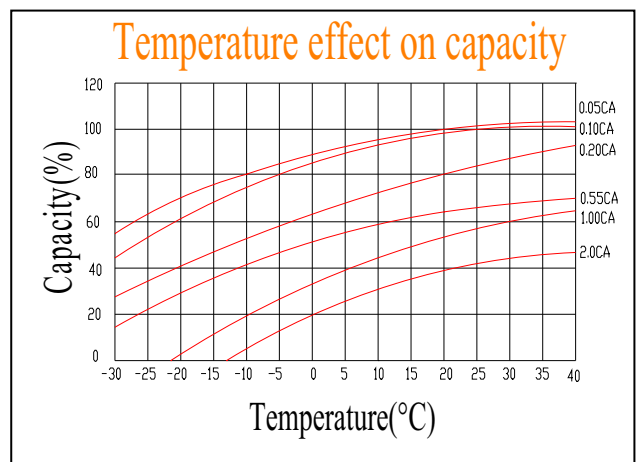
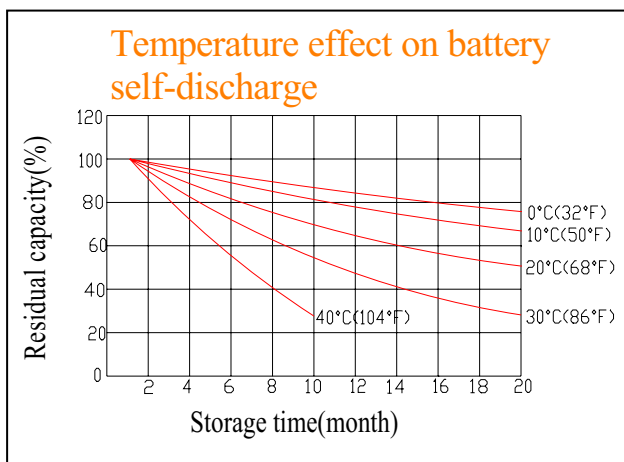
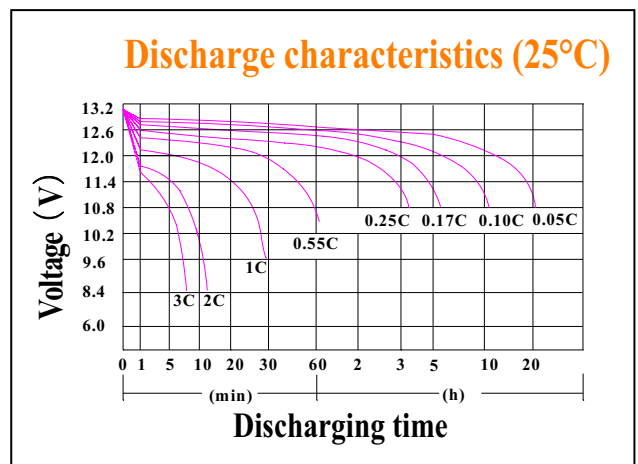
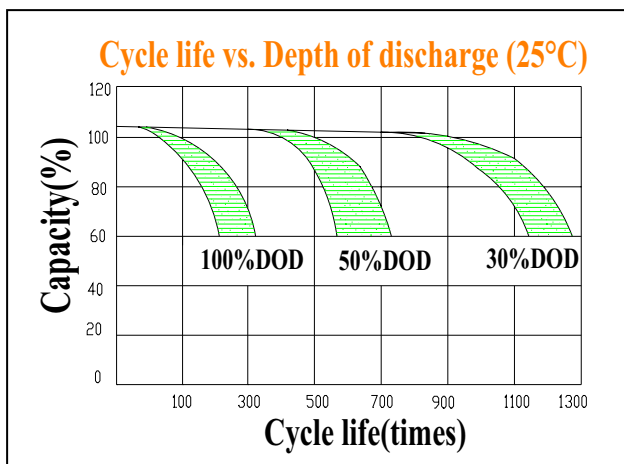
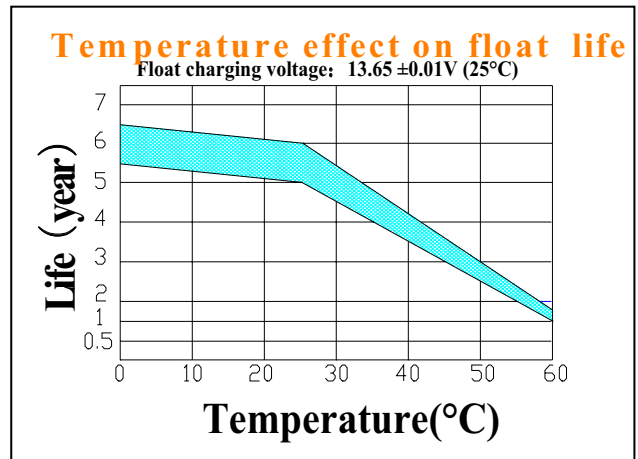
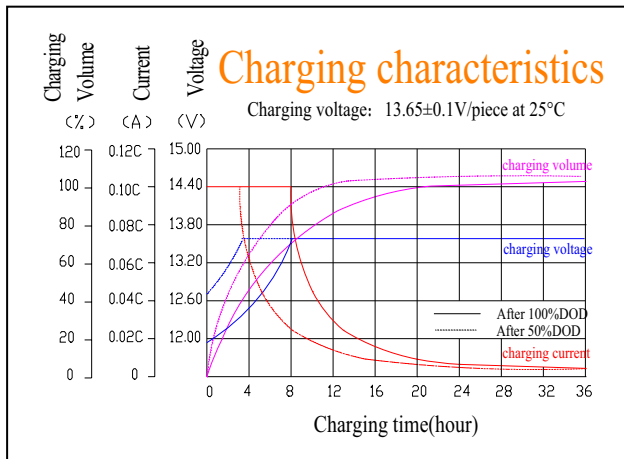
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	286.0	220.0	165.5	110.0	77.0	66.0	41.3	28.3	18.8	12.67	10.47	5.50
1.65V	280.8	216.0	162.5	108.0	75.6	64.8	40.5	27.8	18.5	12.44	10.28	5.40
1.70V	275.6	212.0	159.5	106.0	74.2	63.6	39.8	27.2	18.2	12.21	10.09	5.30
1.75V	270.4	208.0	156.5	104.0	72.8	62.4	39.0	26.7	17.8	11.98	9.90	5.20
1.80V	260.0	200.0	150.5	100.0	70.0	60.0	37.5	25.7	17.1	11.52	9.52	5.00

#### 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	550.6	423.5	318.7	211.8	148.2	127.1	79.4	54.4	36.3	24.4	20.2	10.6
1.65V	540.5	415.8	312.9	207.9	145.5	124.7	78.0	53.4	35.6	23.9	19.8	10.4
1.70V	530.5	408.1	307.1	204.1	142.8	122.4	76.5	52.4	35.0	23.5	19.4	10.2
1.75V	520.5	400.4	301.3	200.2	140.1	120.1	75.1	51.5	34.3	23.1	19.1	10.0
1.80V	500.5	385.0	289.7	192.5	134.8	115.5	72.2	49.5	33.0	22.2	18.3	9.6

**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