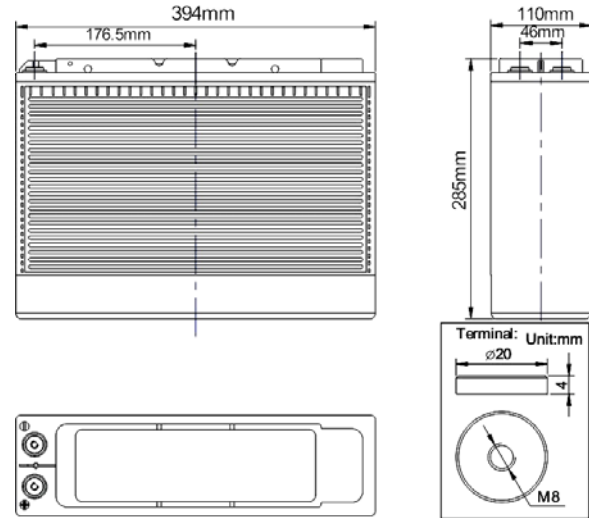


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		110Ah
Capacity 25°C (77°F)	10 hour rate (10.5A)	105Ah
	5 hour rate (19.6A)	98Ah
	1 hour rate (72.6A)	72.6Ah
Internal Resistance	Full Charged Battery 25°C	≤3.5mΩ
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 22A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 22A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	394mm
	Width	110mm
	Height	285mm
	Total Height	285mm
Box Dimensions	Length	409mm
	Width	125mm
	Height	345mm
Quantity Per Box		1 PC per box
Net weight Per Cell		34 kg ± 400g
Net weight Per Box		34kg
Gross Weight		34.5kg

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

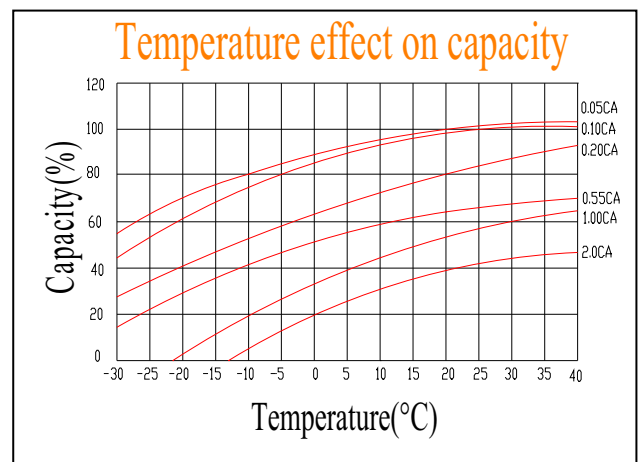
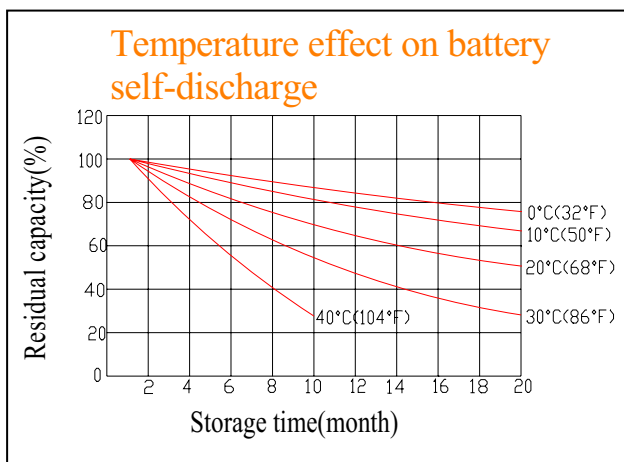
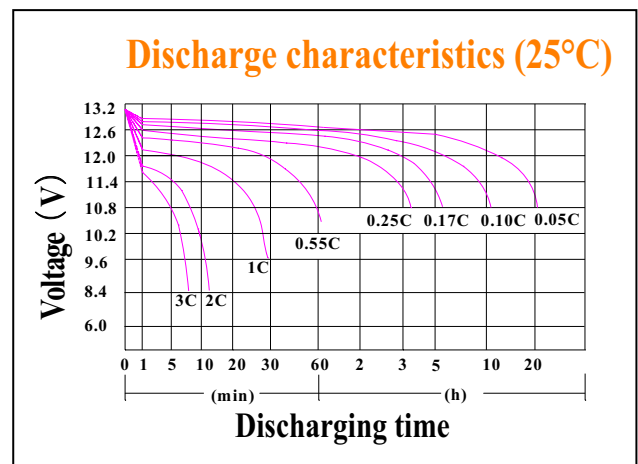
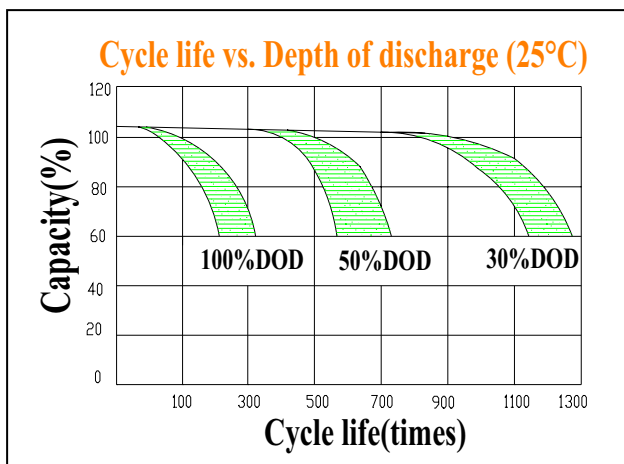
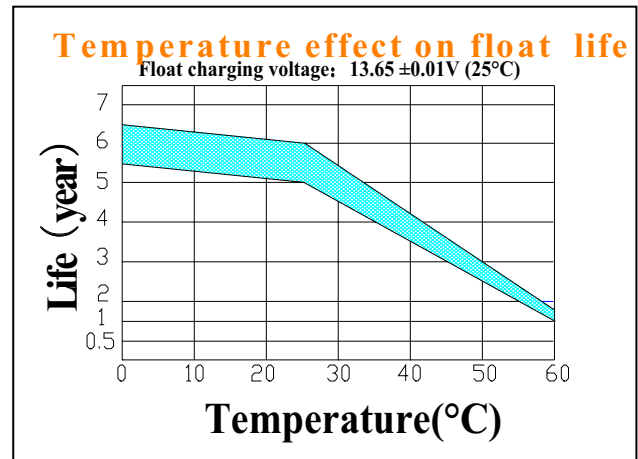
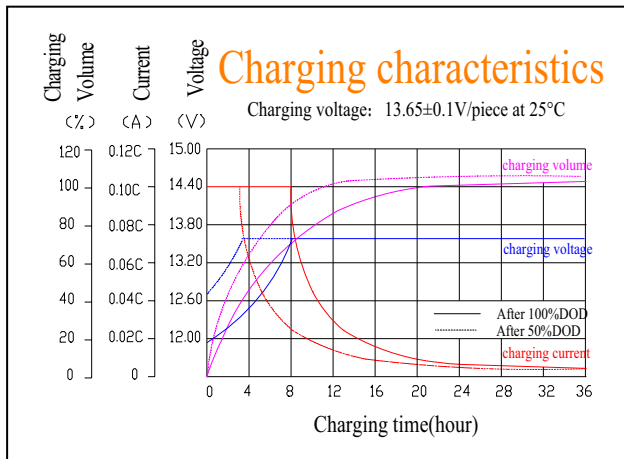
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	314.6	242.0	182.1	121.0	84.7	72.6	45.4	31.1	20.7	13.9	11.5	6.05
1.65V	308.9	237.6	178.8	118.8	83.2	71.3	44.6	30.5	20.4	13.7	11.3	5.94
1.70V	303.2	233.2	175.5	116.6	81.6	70.0	43.7	30.0	20.0	13.4	11.1	5.83
1.75V	297.4	228.8	172.2	114.4	80.1	68.6	42.9	29.4	19.6	13.2	10.9	5.72
1.80V	286.0	220.0	165.5	110.0	77.0	66.0	41.3	28.3	18.8	12.6	10.5	5.50

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	605.6	465.9	350.5	232.9	163.0	139.8	87.3	59.9	39.9	26.8	22.2	11.6
1.65V	594.6	457.4	344.1	228.7	160.1	137.2	85.8	58.8	39.2	26.3	21.8	11.4
1.70V	583.6	448.9	337.8	224.5	157.1	134.7	84.2	57.7	38.5	25.9	21.4	11.2
1.75V	572.6	440.4	331.4	220.2	154.2	132.1	82.6	56.6	37.7	25.4	21.0	11.0
1.80V	550.6	423.5	318.7	211.8	148.2	127.1	79.4	54.4	36.3	24.4	20.2	10.6

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