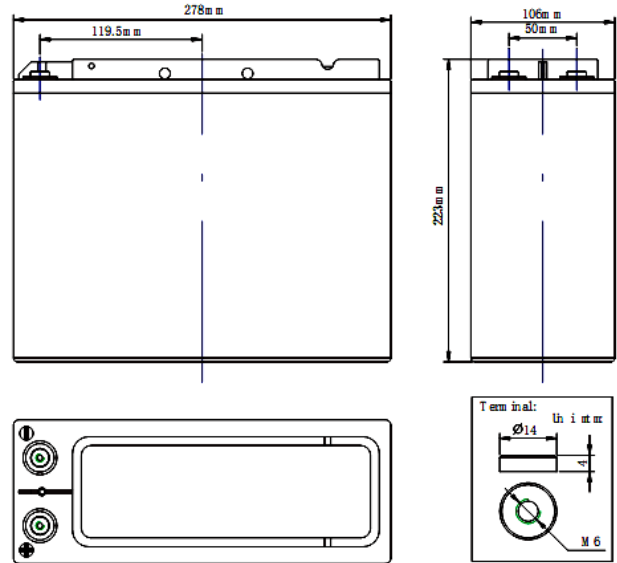


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		55Ah
Capacity 25°C (77°F)	10 hour rate (5.24A)	52.4Ah
	5 hour rate (9.8A)	49Ah
	1 hour rate (36.3A)	36.3Ah
Internal Resistance	Full Charged Battery 25°C	≤8mΩ
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 11A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 11A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	278mm
	Width	106mm
	Height	223mm
	Total Height	223mm
Box Dimensions	Length	293mm
	Width	121mm
	Height	263mm
Quantity Per Box		1 PC per box
Net weight Per Cell		17 kg±200g
Net weight Per Box		17kg
Gross Weight		17.3kg

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

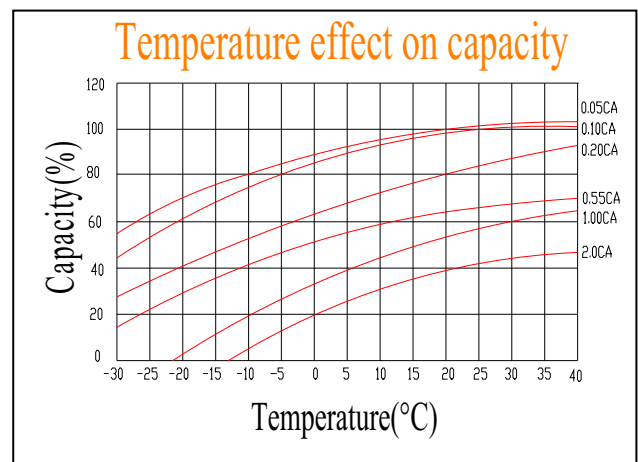
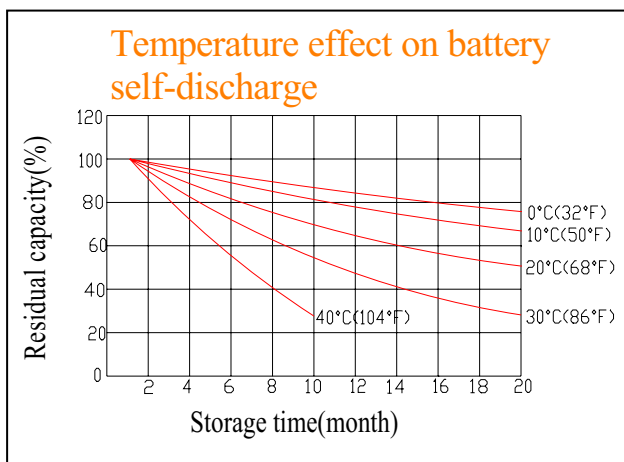
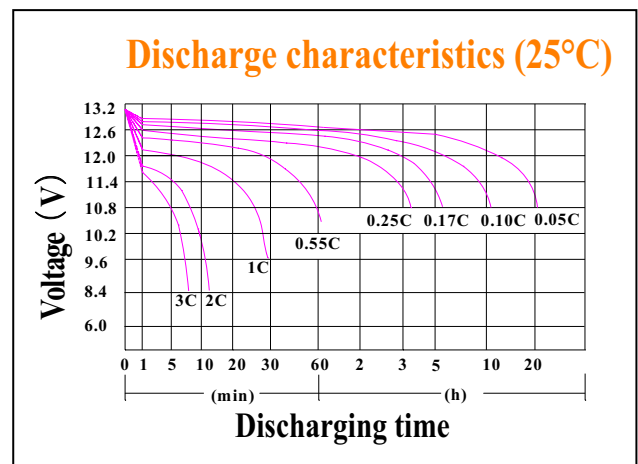
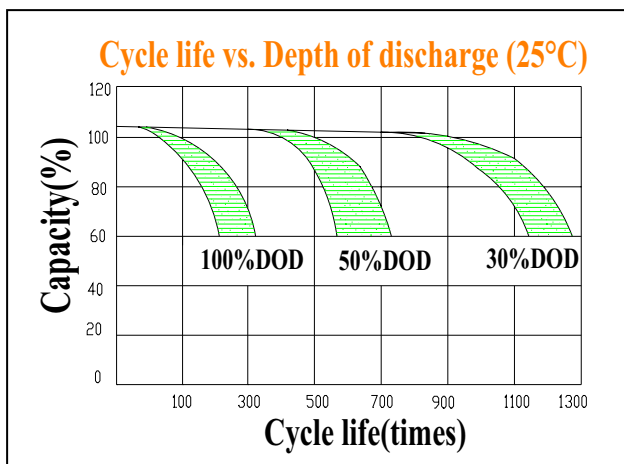
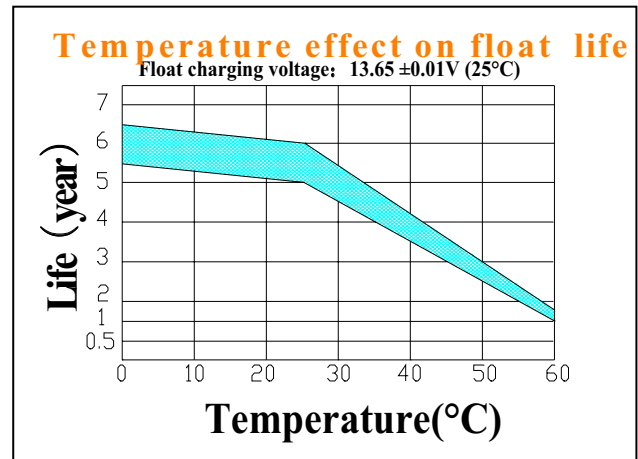
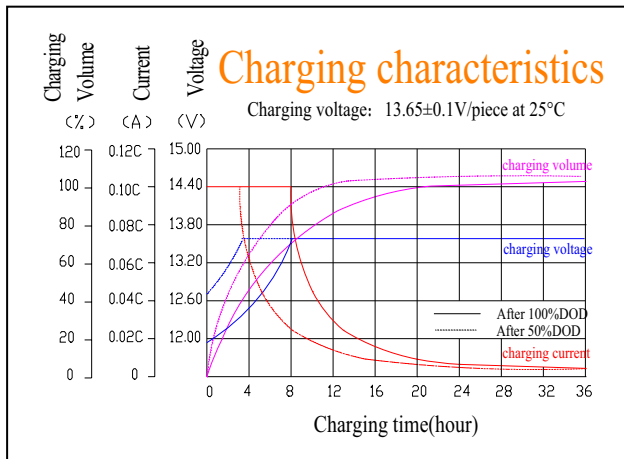
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	157.3	121.0	91.0	60.5	42.4	36.3	22.7	15.5	10.4	6.97	5.76	3.03
1.65V	154.4	118.8	89.4	59.4	41.6	35.6	22.3	15.3	10.2	6.84	5.65	2.97
1.70V	151.6	116.6	87.7	58.3	40.8	35.0	21.9	15.0	10.0	6.71	5.55	2.92
1.75V	148.7	114.4	86.1	57.2	40.0	34.3	21.5	14.7	9.8	6.59	5.44	2.86
1.80V	143.0	110.0	82.8	55.0	38.5	33.0	20.6	14.1	9.4	6.33	5.24	2.75

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	302.8	232.9	175.3	116.5	81.5	69.9	43.7	29.9	20.0	13.4	11.1	5.8
1.65V	297.3	228.7	172.1	114.3	80.0	68.6	42.9	29.4	19.6	13.2	10.9	5.7
1.70V	291.8	224.5	168.9	112.2	78.6	67.3	42.1	28.8	19.2	12.9	10.7	5.6
1.75V	286.3	220.2	165.7	110.1	77.1	66.1	41.3	28.3	18.9	12.7	10.5	5.5
1.80V	275.3	211.8	159.3	105.9	74.1	63.5	39.7	27.2	18.1	12.2	10.1	5.3

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