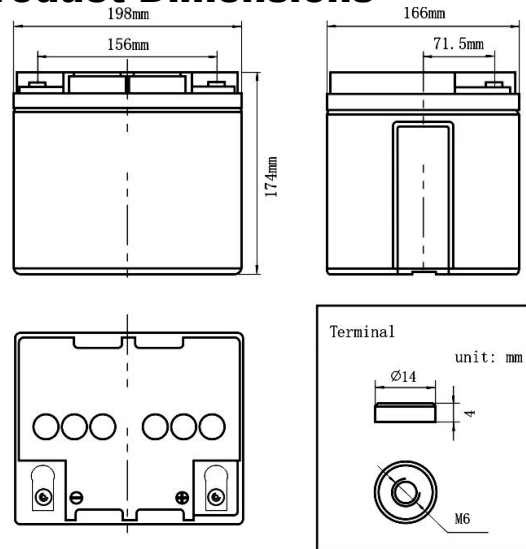


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (10 hour rate)		38Ah
Capacity 25°C (77°F)	20 hour rate (2.11A)	42.2Ah
	5 hour rate (6.94A)	34.7Ah
	1 hour rate (25.3A)	25.3Ah
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 9.5A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 9.5A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	197mm
	Width	166mm
	Height	174mm
	Total Height	174mm
Box Dimensions	Length	213mm
	Width	179mm
	Height	211mm
Quantity Per Box		1 PC per box
Net weight Per Cell		12.3 kg±100g
Net weight Per Box		12.3kg
Gross Weight		12.8kg

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

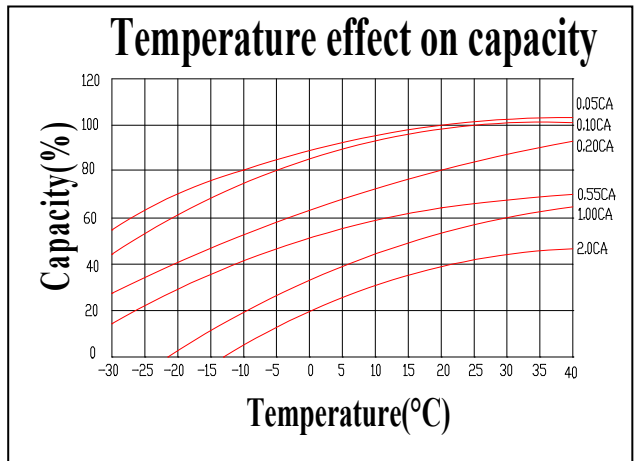
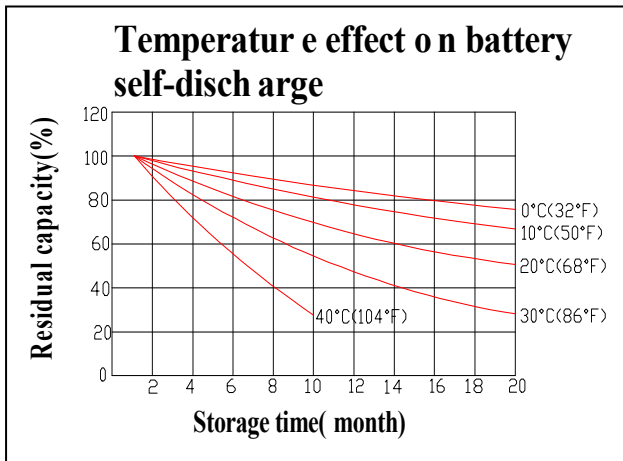
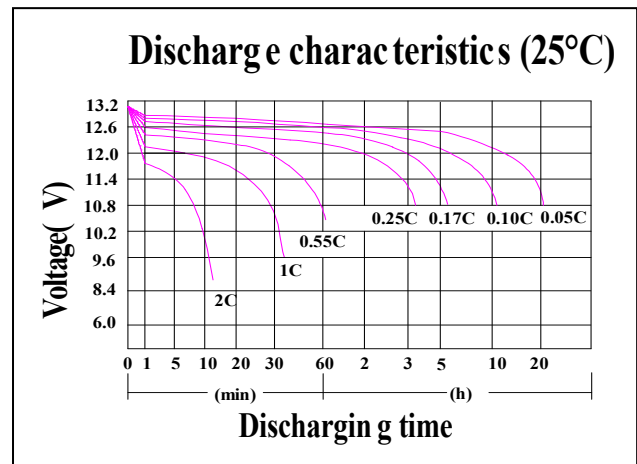
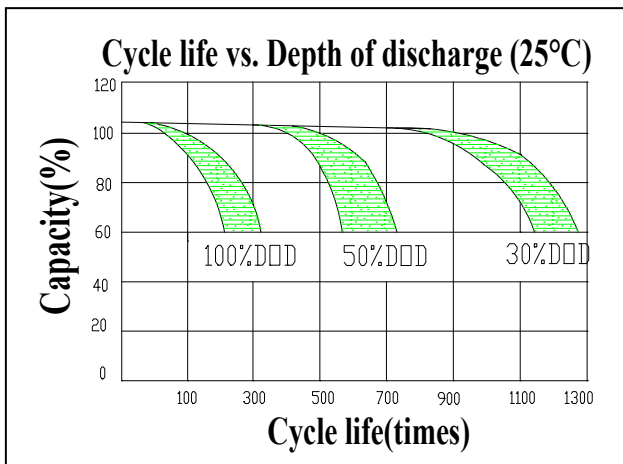
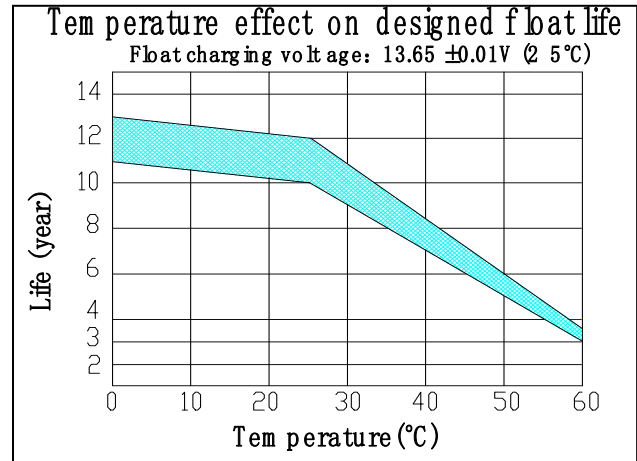
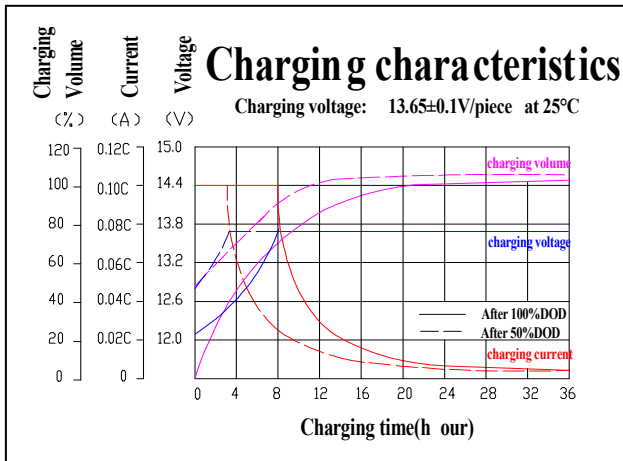
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	64.2	39.9	28.6	25.3	15.4	11.3	7.3	4.4	3.95	2.19
1.65V	61.5	38.9	27.9	24.6	15.1	11.1	7.1	4.4	3.91	2.17
1.70V	58.8	37.8	27.1	23.9	14.8	10.9	7.0	4.3	3.88	2.15
1.75V	56.1	36.7	26.3	23.2	14.5	10.6	6.9	4.3	3.84	2.13
1.80V	53.5	35.6	25.6	22.6	14.1	10.3	6.8	4.3	3.80	2.11

Discharge Constant Power per Cell (Watts at 77°F 25°C)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	119.7	74.5	53.4	47.1	28.7	21.0	13.5	8.3	7.4	4.1
1.65V	114.7	72.5	52.0	45.9	28.2	20.6	13.3	8.2	7.3	4.1
1.70V	109.7	70.5	50.6	44.6	27.7	20.2	13.1	8.1	7.2	4.0
1.75V	104.7	68.5	49.1	43.4	27.0	19.8	12.9	8.0	7.2	4.0
1.80V	99.7	66.5	47.7	42.1	26.4	19.3	12.8	7.9	7.1	3.9

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