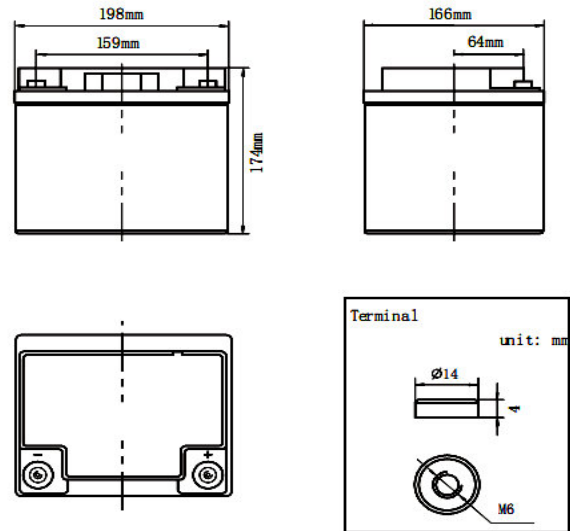


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (10 hour rate)		42Ah
Capacity 25°C (77°F)	20 hour rate (2.33A)	46.6Ah
	5 hour rate (7.7A)	38.5Ah
	1 hour rate (27.9A)	27.9Ah
Internal Resistance	Full Charged Battery 25°C	≤9mΩ
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 10.5A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 10.5A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	198mm
	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		12.9 kg±100g
Net weight Per Box		12.9kg
Gross Weight		13.3kg

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

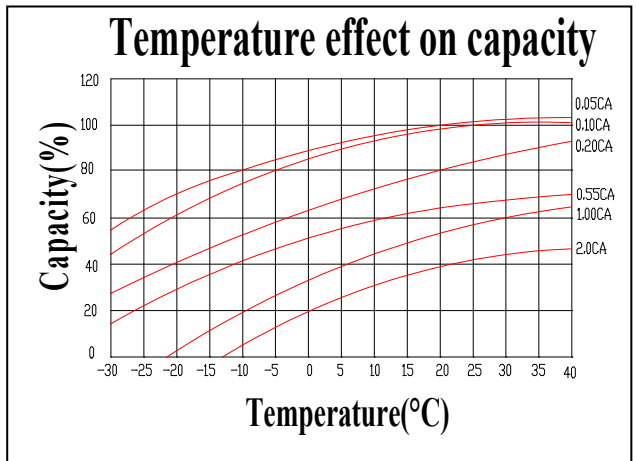
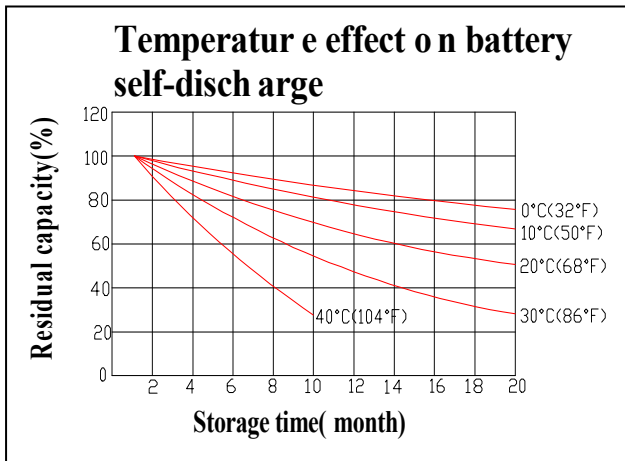
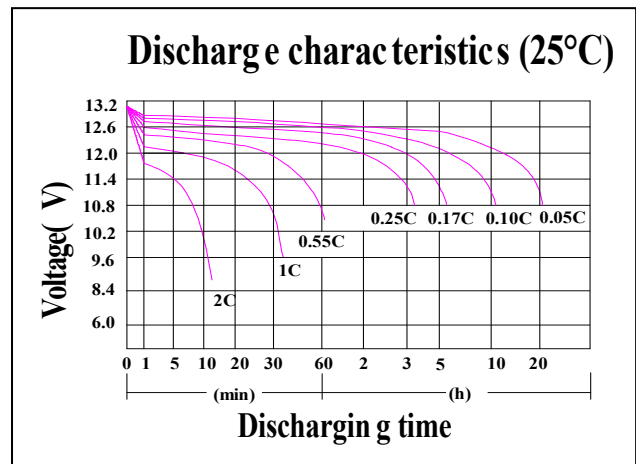
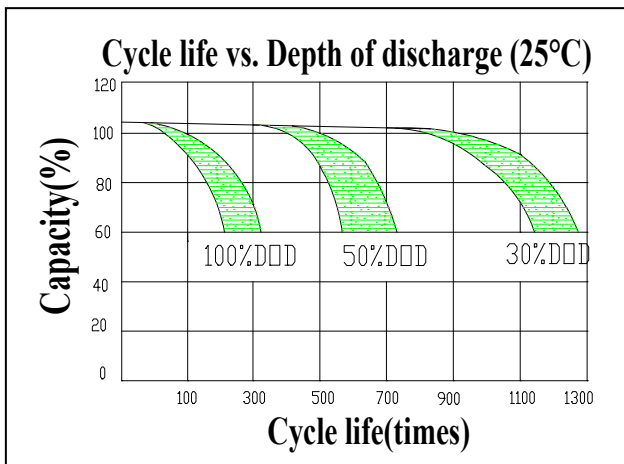
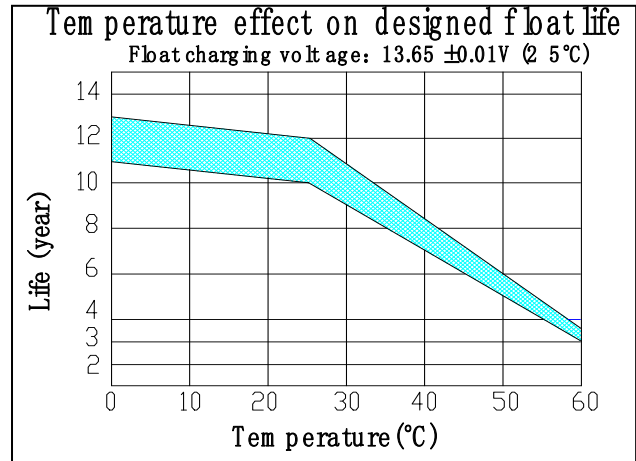
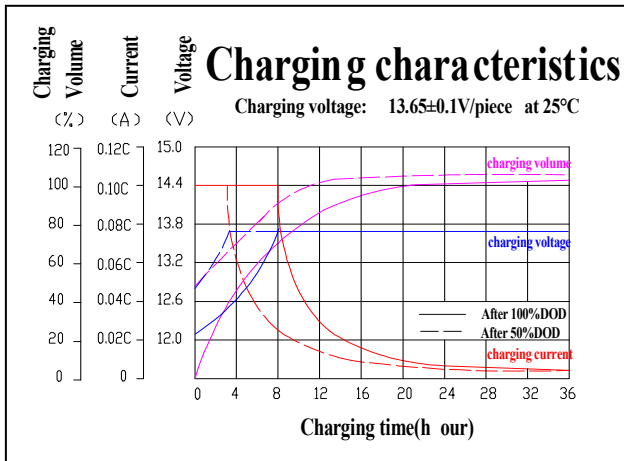
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	70.9	44.1	31.7	27.9	17.0	12.5	8.0	4.9	4.37	2.42
1.65V	68.0	42.9	30.8	27.2	16.7	12.2	7.9	4.8	4.33	2.40
1.70V	65.0	41.8	30.0	26.4	16.4	12.0	7.8	4.8	4.28	2.38
1.75V	62.0	40.6	29.1	25.7	16.0	11.7	7.7	4.8	4.24	2.35
1.80V	59.1	39.4	28.3	24.9	15.6	11.4	7.6	4.7	4.20	2.33

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	132.3	82.3	59.0	52.1	31.8	23.2	14.9	9.1	8.1	4.5
1.65V	126.7	80.1	57.5	50.7	31.2	22.8	14.7	9.0	8.1	4.5
1.70V	121.2	77.9	55.9	49.3	30.6	22.4	14.5	8.9	8.0	4.4
1.75V	115.7	75.7	54.3	47.9	29.9	21.8	14.3	8.9	7.9	4.4
1.80V	110.2	73.5	52.7	46.5	29.1	21.3	14.1	8.8	7.8	4.3

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