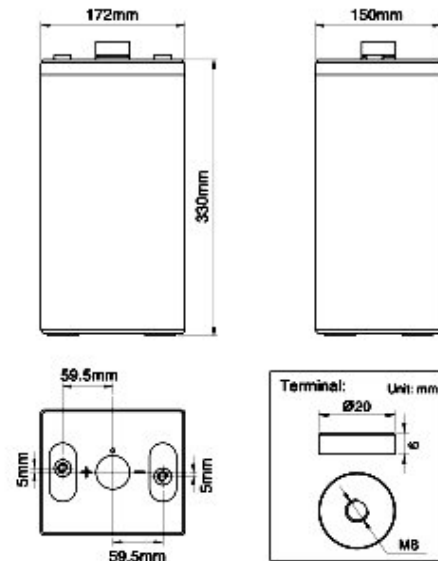


## Product Image



## Product Dimensions



## Characteristics

Nominal Voltage		2V
Nominal Capacity (10 hour rate)		300Ah
Capacity 25°C (77°F)	20 hour rate (15.8A)	316Ah
	5 hour rate (53.4A)	267Ah
	1 hour rate (180.7A)	180.7Ah
Internal Resistance	Full Charged Battery 25°C	≤0.54mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
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 45A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 45A Voltage 2.33-2.37V

## Packaging

Battery Dimensions	Length	171mm
	Width	151mm
	Height	330mm
	Total Height	365mm
Box Dimensions	Length	186mm
	Width	164mm
	Height	422mm
Quantity Per Box		1 PC per box
Net weight Per Cell		18.5 kg±3%
Net weight Per Box		18.5kg
Gross Weight		19kg

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

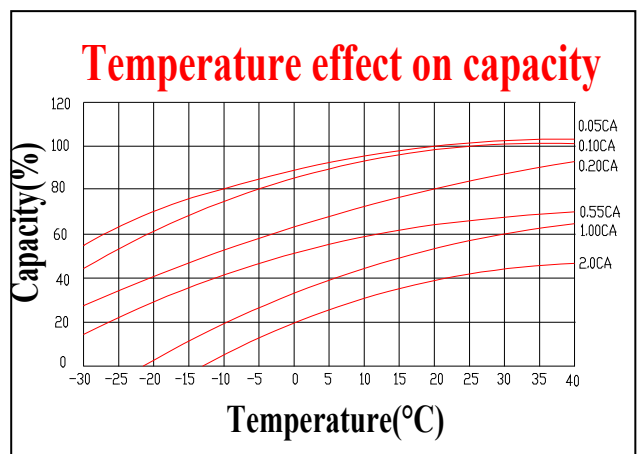
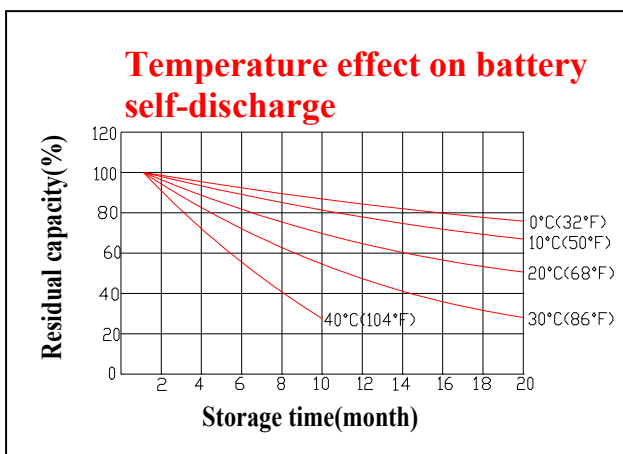
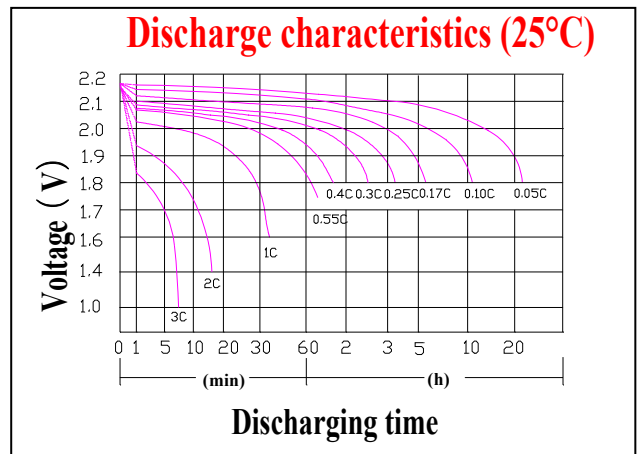
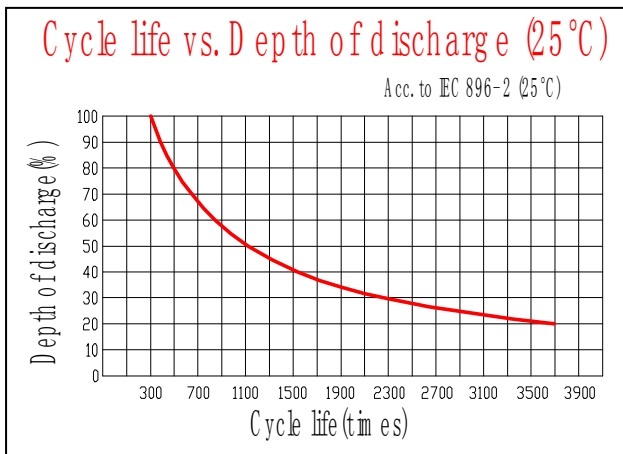
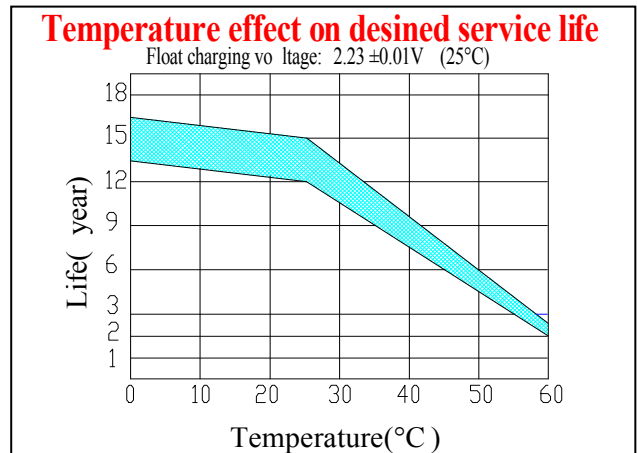
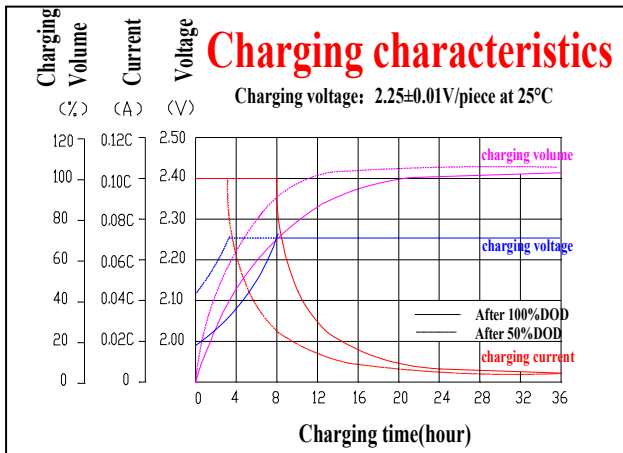
F.V/Time	15min	30min	45min	1h	1.5h	2h	3h	5h	8h	10h	12h	20h	24h
1.75	356.4	260.1	215.8	180.7	149.1	107.4	81.2	53.4	36.3	30.3	25.8	15.8	13.4
1.80	324.0	249.0	199.8	176.4	145.8	105.0	79.5	52.5	36.0	30.0	25.5	15.8	13.3
1.85	275.4	207.8	166.7	171.6	116.6	101.8	76.7	50.6	34.5	28.7	24.5	15.1	12.6
1.90	228.9	177.4	157.2	152.7	103.9	90.8	68.3	45.0	30.6	25.6	21.7	13.4	11.2

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

F.V/Time	15min	30min	45min	1h	1.5h	2h	3h	5h	8h	10h	12h	20h	24h
1.75	641.5	468.1	388.4	325.3	268.4	193.3	146.1	96.2	65.4	54.6	46.5	28.5	24.0
1.80	599.4	460.7	369.6	326.3	269.7	194.3	147.1	97.1	66.6	55.5	47.2	29.1	24.5
1.85	523.3	394.9	316.8	326.0	221.6	193.5	145.7	96.2	65.5	54.5	46.6	28.8	24.0
1.90	446.4	345.8	306.6	297.9	202.6	177.0	133.2	87.7	59.7	49.9	42.4	26.0	21.8

**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	Rubber	Copper	Fiberglass	Sulfuric acid