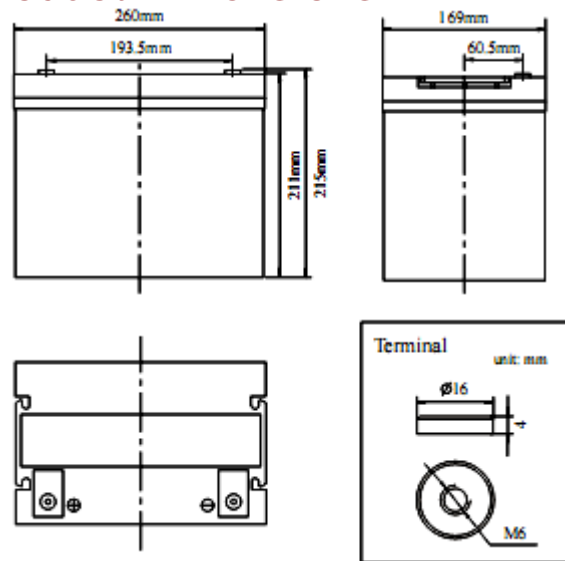


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Watts/cell@15min		300W
Capacity 25°C (77°F)	10 hour rate (8.0A)	80Ah
	5 hour rate (14.0A)	70Ah
	1 hour rate (50.8A)	50.8Ah
Internal Resistance	Full Charged Battery 25°C	≤5.5m Ω
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 16.0A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 16.0A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	260mm
	Width	169mm
	Height	211mm
	Total Height	215mm
Box Dimensions	Length	275mm
	Width	183mm
	Height	272mm
Quantity Per Box		1 PC per box
Net weight Per Cell		25 kg±3%
Net weight Per Box		25kg
Gross Weight		25.5kg

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

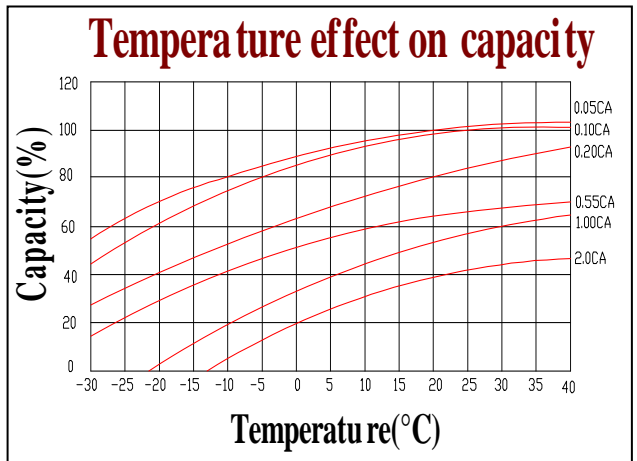
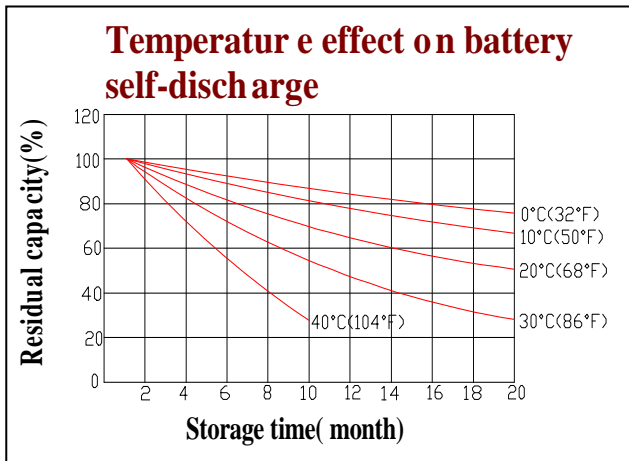
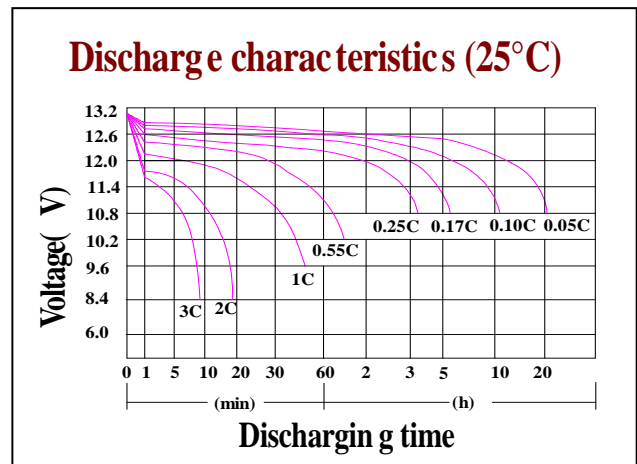
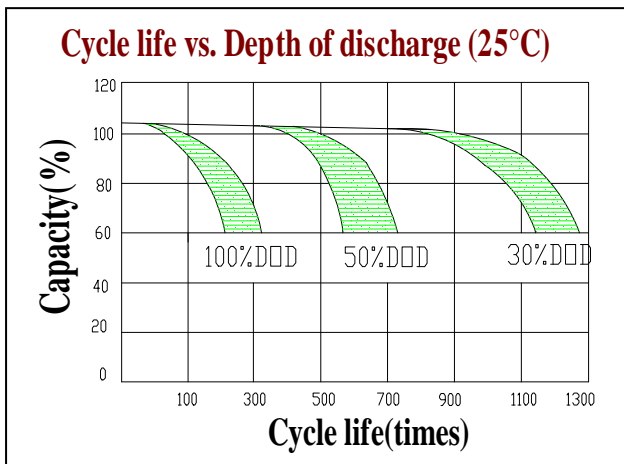
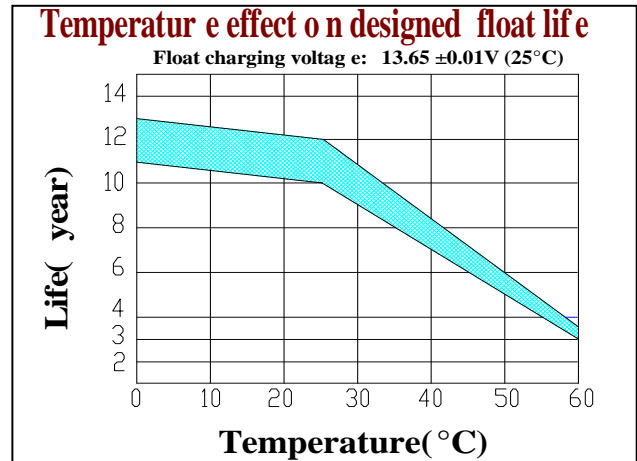
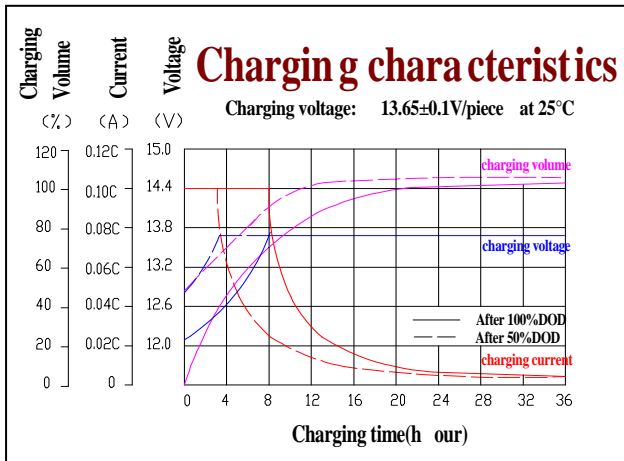
F.V/Time	5min	10min	15min	20min	25min	30min	45min	60min	90min	2h	3h	10h
1.60V	456.2	361.0	305.2	277.2	236.4	198.6	144.4	100.2	83.7	63.4	45.9	16.4
1.67V	447.8	354.5	299.7	273.7	231.9	194.9	141.7	98.3	82.2	62.3	45.1	16.0
1.70V	439.6	347.9	294.3	268.7	227.7	191.3	139.1	96.4	80.5	61.0	44.2	15.9
1.75V	431.2	341.4	288.7	260.2	223.5	187.8	136.5	94.7	79.0	59.9	43.5	15.5
1.80V	414.8	328.2	277.5	249.2	214.8	180.5	131.3	91.0	76.1	57.6	41.8	14.9

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

F.V/Time	5min	10min	15min	20min	25min	30min	45min	60min	90min	2h	3h	10h
1.60V	244.6	193.6	163.7	148.6	126.7	106.5	77.4	53.7	44.9	34.0	24.6	8.80
1.67V	240.1	190.1	160.7	146.8	124.4	104.5	76.0	52.7	44.1	33.4	24.2	8.60
1.70V	235.7	186.5	157.8	144.1	122.1	102.6	74.6	51.7	43.2	32.7	23.7	8.50
1.75V	231.2	183.0	154.8	139.5	119.8	100.7	73.2	50.8	42.4	32.1	23.3	8.30
1.80V	222.4	176.0	148.8	133.6	115.2	96.8	70.4	48.8	40.8	30.9	22.4	8.00

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