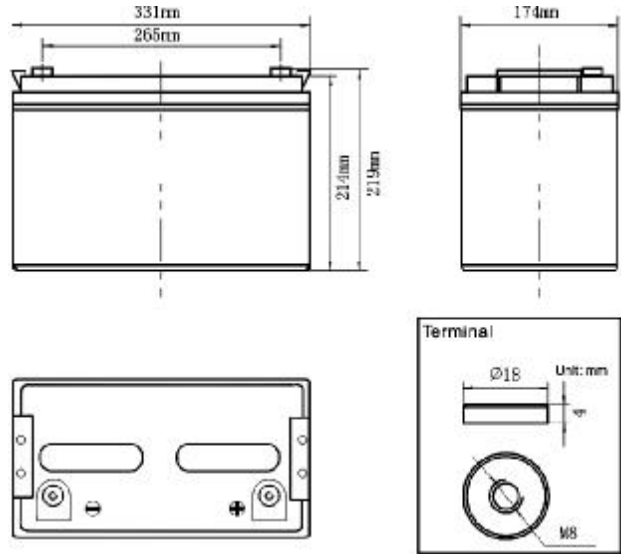


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (10 hour rate)		100Ah
Operating Temperature		-25~55°C
Capacity 25°C (77°F)	20 hour rate (5.55A)	111.0Ah
	5 hour rate (18.3A)	91.5Ah
	1 hour rate (66.5A)	66.5Ah
Internal Resistance	Full Charged Battery 25°C	≤5.5mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	90%
	-15°C (5°F)	70%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	92%
	after 6 month storage	84%
	after 12 month storage	65%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 25.0A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 25.0A Voltage 14.4-14.9V

Packaging

Battery Dimensions	Length	331mm
	Width	174mm
	Height	214mm
	Total Height	219mm
Box Dimensions	Length	346mm
	Width	188mm
	Height	289mm
Quantity Per Box		1 PC per box
Net weight Per Cell		31.5kg±3%
Net weight Per Box		31.5kg
Gross Weight		32.0kg

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

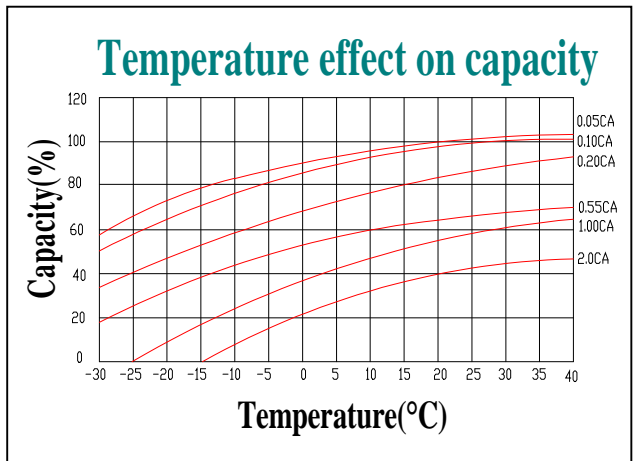
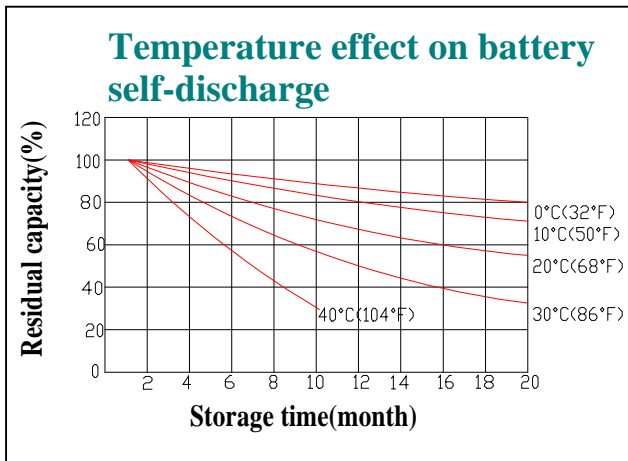
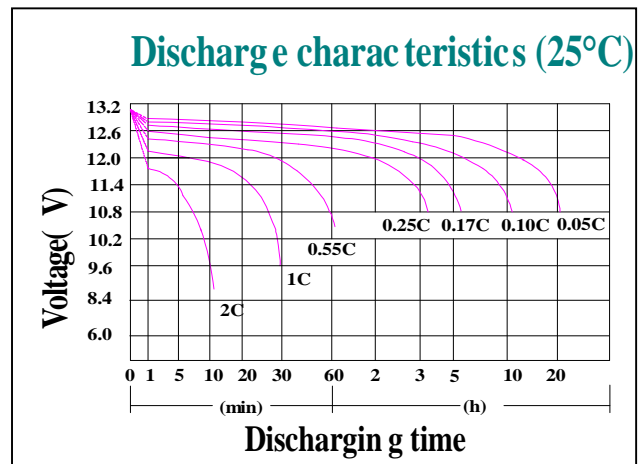
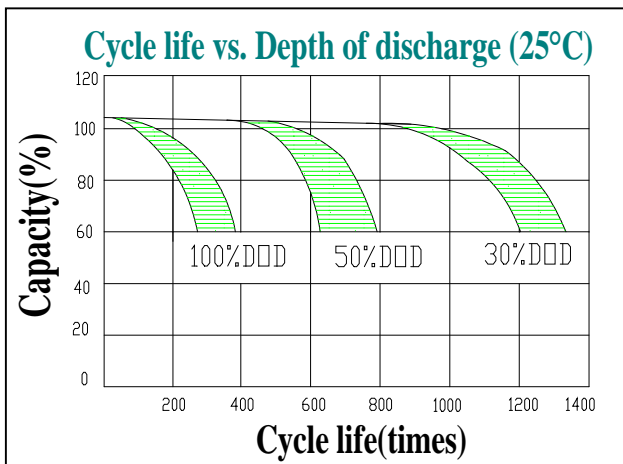
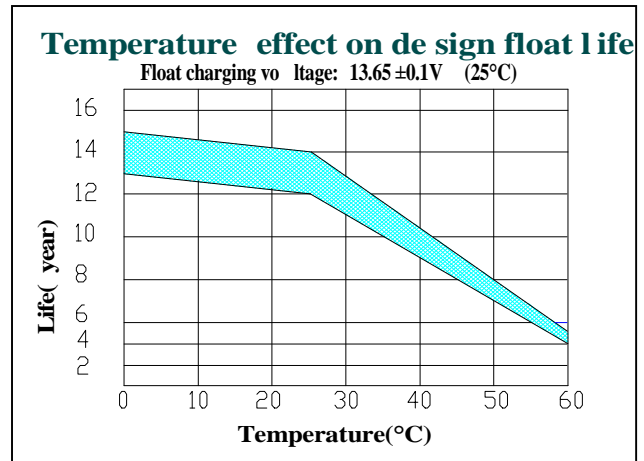
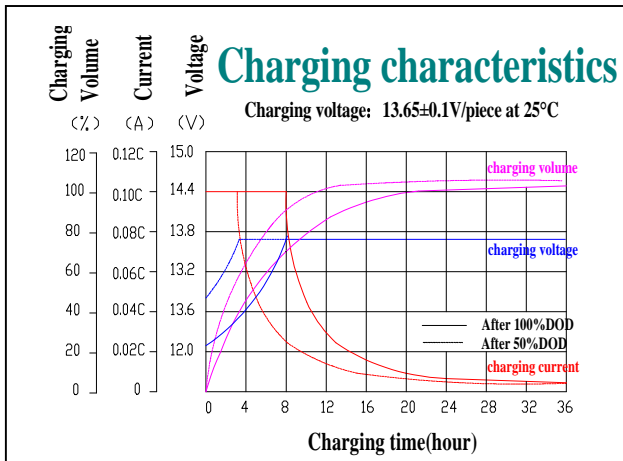
F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	132.0	96.8	68.2	59.4	40.2	27.5	18.7	12.3	11.0	6.1
1.65V	129.6	95.0	67.0	58.3	39.4	27.0	18.4	12.1	10.8	5.9
1.70V	127.2	93.3	65.7	57.2	38.7	26.5	18.0	11.9	10.6	5.8
1.75V	124.8	91.5	64.5	56.2	38.0	26.0	17.7	11.6	10.4	5.7
1.80V	120.0	88.0	62.0	54.0	36.5	25.0	17.0	11.2	10.0	5.5

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	254.1	186.3	131.3	114.3	77.3	52.9	36.0	23.7	21.2	11.6
1.65V	249.5	183.0	128.9	112.3	75.9	52.0	35.3	23.3	20.8	11.4
1.70V	244.9	179.6	126.5	110.2	74.5	51.0	34.7	22.9	20.4	11.2
1.75V	240.2	176.2	124.1	108.1	73.1	50.1	34.0	22.4	20.0	11.0
1.80V	231.0	169.4	119.4	104.0	70.3	48.1	32.7	21.6	19.3	10.6

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	GEL