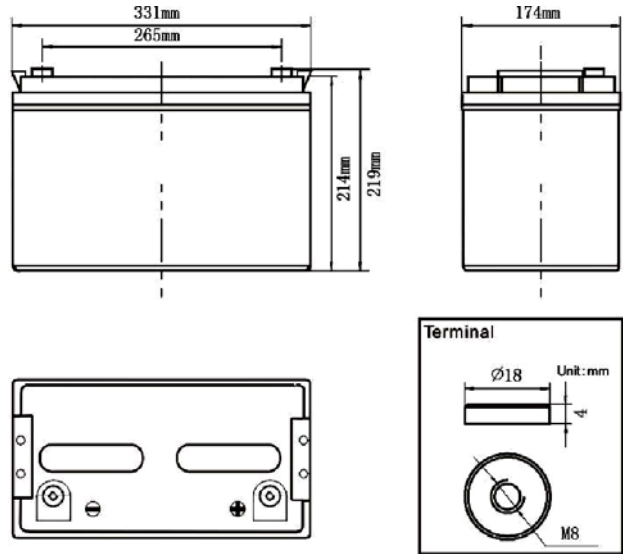


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Watts/cell@15min		420W
Capacity 25°C (77°F)	10 hour rate (11.0A)	110Ah
	5 hour rate (20.0A)	100Ah
	1 hour rate (70.0A)	70Ah
Internal Resistance	Full Charged Battery 25°C	≤4.6m 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 22.0A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 22.0A 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		33.2 kg±3%
Net weight Per Box		33.2kg
Gross Weight		33.7kg

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

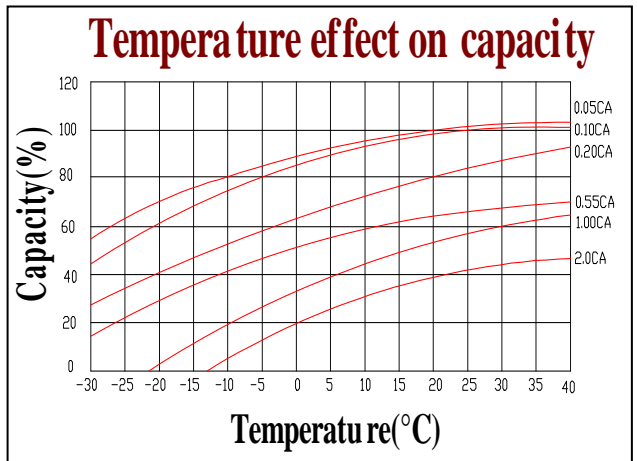
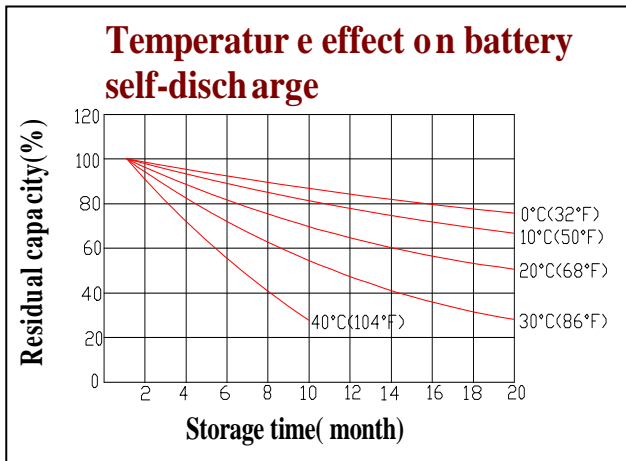
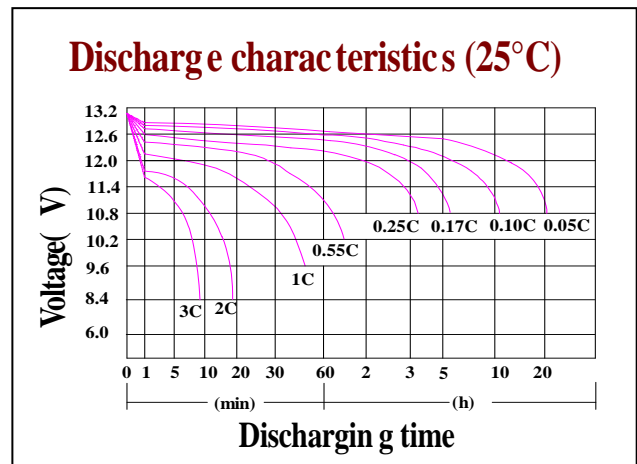
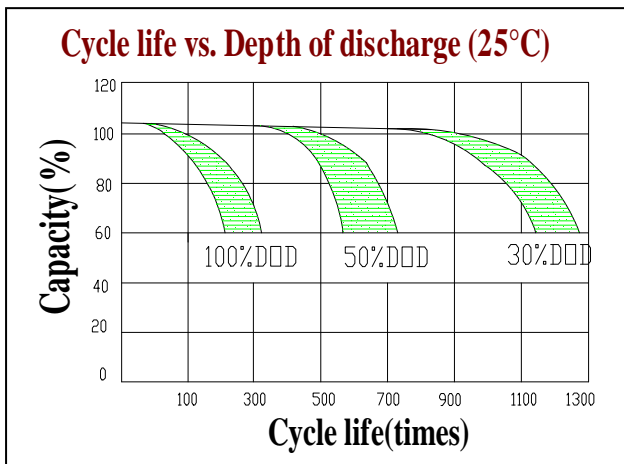
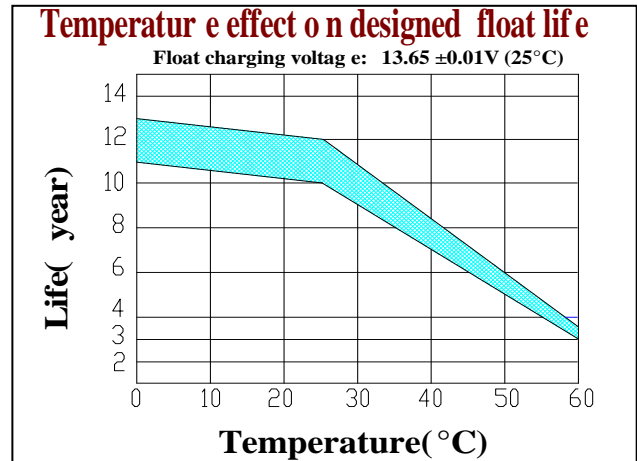
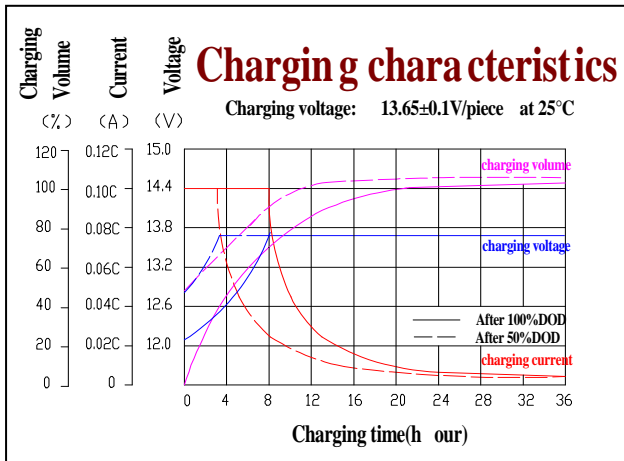
F.V/Time	5min	10min	15min	20min	25min	30min	45min	60min	90min	2h	3h	10h
1.60V	582.2	496.4	428.7	381.1	325.0	273.1	198.5	137.7	115.1	87.2	63.1	22.6
1.67V	571.5	487.4	420.9	376.4	318.9	268.0	194.9	135.1	113.1	85.7	62.1	22.1
1.70V	561.0	478.4	413.3	369.5	313.1	263.1	191.3	132.6	110.7	83.9	60.8	21.8
1.75V	550.3	469.4	405.5	357.8	307.3	258.2	187.7	130.3	108.7	82.3	59.7	21.3
1.80V	529.3	451.3	389.8	342.6	295.4	248.2	180.5	125.1	104.6	79.2	57.4	20.5

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	312.2	266.2	229.9	204.4	174.3	146.4	106.4	73.8	61.7	46.8	33.8	12.1
1.67V	306.4	261.3	225.7	201.8	171.0	143.7	104.5	72.5	60.6	45.9	33.3	11.8
1.70V	300.8	256.5	221.6	198.1	167.9	141.1	102.6	71.1	59.4	45.0	32.6	11.7
1.75V	295.0	251.7	217.4	191.8	164.8	138.5	100.7	69.9	58.3	44.1	32.0	11.4
1.80V	283.8	242.0	209.0	183.7	158.4	133.1	96.8	67.1	56.1	42.5	30.8	11.0

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