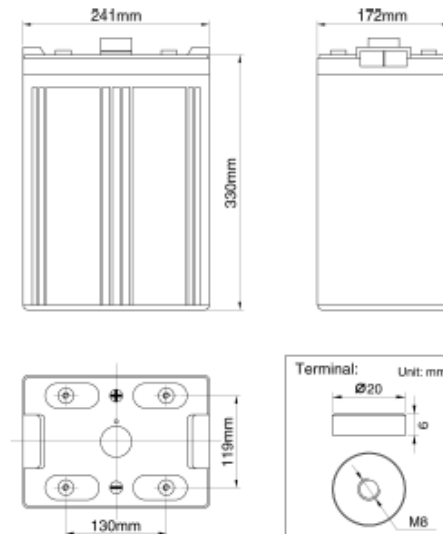


Product



Product Dimensions



Characteristics

Nominal Voltage		2V
Nominal Capacity (10 hour rate)		500Ah
Capacity 25°C (77°F)	20 hour rate (50.3A)	530Ah
	5 hour rate (90A)	450Ah
	1 hour rate (275A)	275Ah
Internal Resistance	Full Charged Battery 25°C	≤0.31mΩ
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	Float	Initial Charging Current Less than 75A Voltage 2.24-2.28V
	Cycle	Initial Charging Current Less than 75A Voltage 2.33-2.37V

Packing

Battery Dimensions	Length	241mm
	Width	172mm
	Height	330mm
	Total Height	366mm
Box Dimensions	Length	256mm
	Width	186mm
	Height	423mm
Quantity Per Box		1 PC per box
Net weight Per Cell		31 kg ± 500g
Net weight Per Box		31kg
Gross Weight		32kg

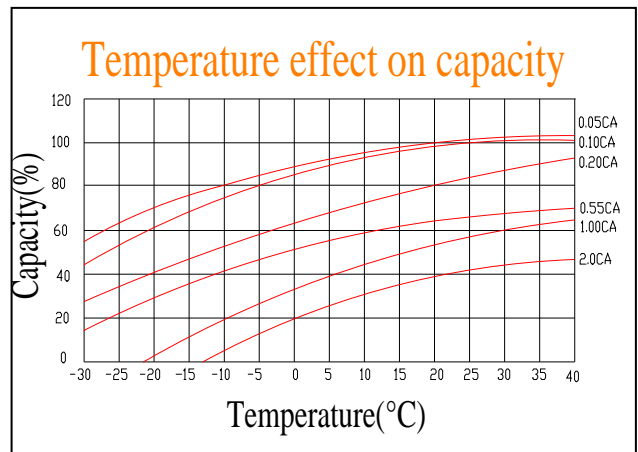
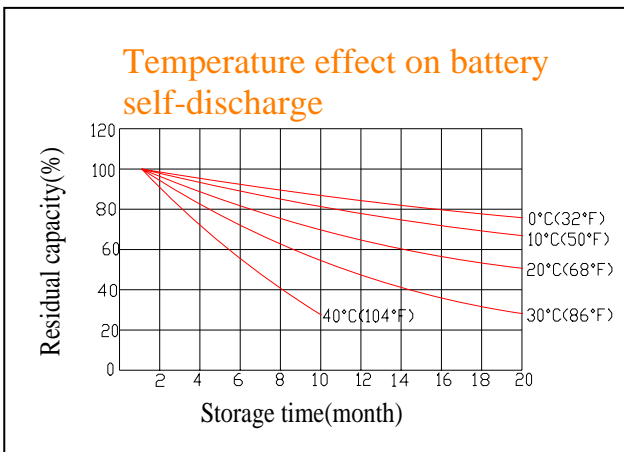
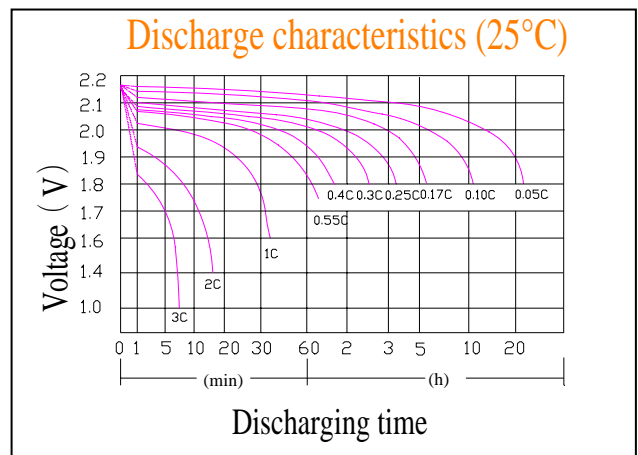
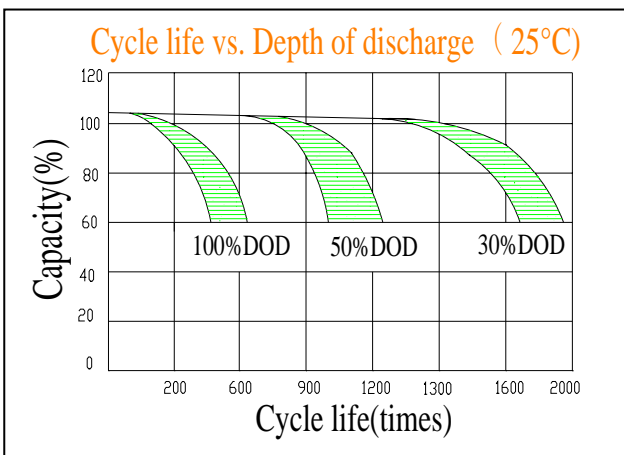
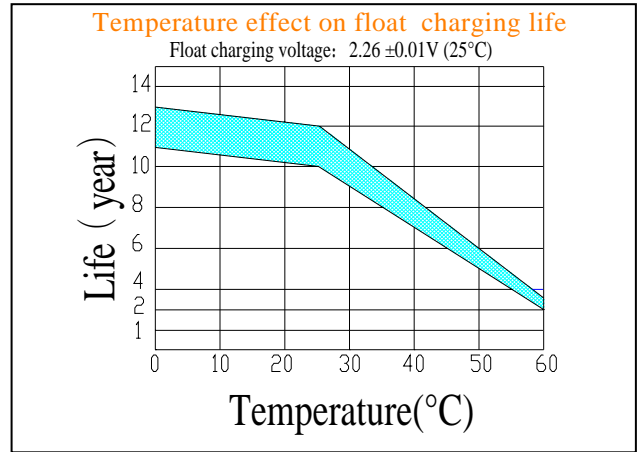
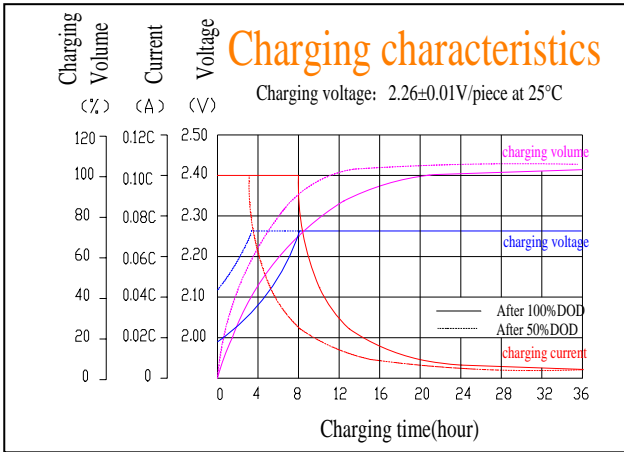
Discharge Constant Current (Amperes at 77°F25°C)

EndPoint Volts/Cell	10Min	15Min	30Min	45Min	1h	3h	5h	10h
1.60V	882	669	504	360	310	130	97.5	54.0
1.65V	835	637	483	346	301	128	95.0	53.0
1.70V	788	603	460	331	291	126	92.5	52.0
1.75V	739	570	436	314	273	125	90.0	51.0
1.80V	689	536	411	298	268	122	86.5	50.0

Discharge Constant Power (Watts at 77°F25°C)

EndPoint Volts/Cell	10Min	15Min	30Min	45Min	1h	3h	5h	10h
1.60V	1409	1150	858	646	558	261	180	108
1.65V	1326	1088	813	617	534	254	178	105
1.70V	1245	1025	770	585	509	249	174	104
1.75V	1163	962	726	554	484	244	170	102
1.80V	1081	898	680	523	458	238	168	100

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.



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