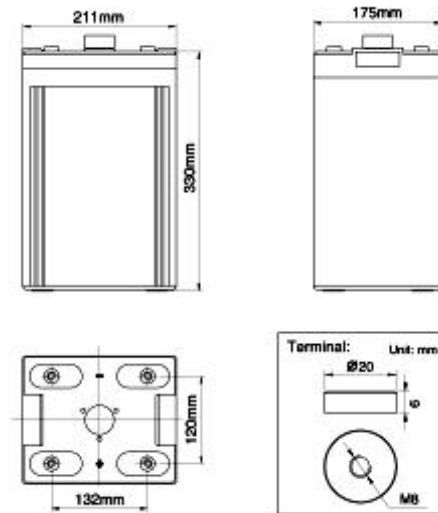


Product Image



Product Dimensions



Characteristics

Nominal Voltage		2V
Nominal Capacity (10 hour rate)		450Ah
Capacity 25°C (77°F)	20 hour rate (21.2A)	499.6Ah
	5 hour rate (70.7A)	4.5Ah
	1 hour rate (220A)	267.2Ah
Internal Resistance	Full Charged Battery 25°C	≤0.39mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	-20°C (-4°F)	82%
	-35°C (-31°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 112.5A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 11.25A Voltage 2.33-2.37V

Packaging

Battery Dimensions	Length	223mm
	Width	187mm
	Height	351mm
	Total Height	385mm
Box Dimensions	Length	225mm
	Width	190mm
	Height	425mm
Quantity Per Box		1 PC per box
Net weight Per Cell		26.5 kg±200g
Net weight Per Box		26.5kg
Gross Weight		27.5kg

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

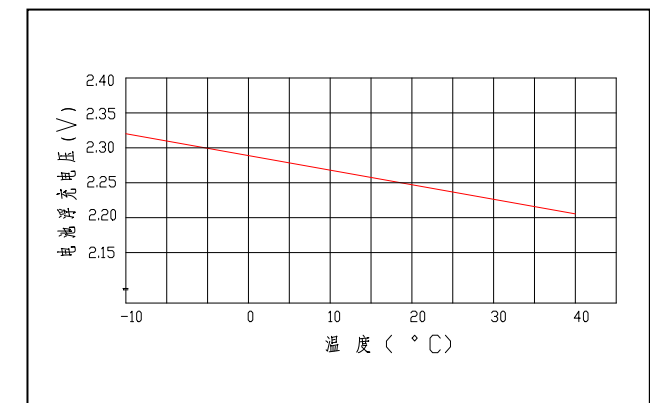
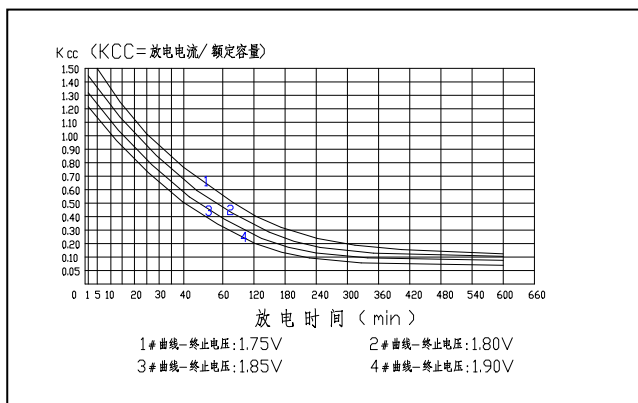
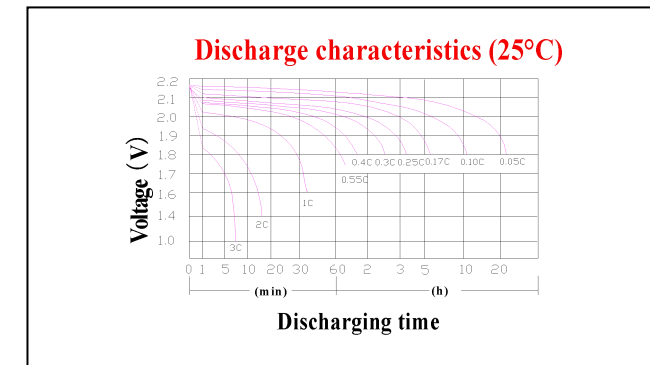
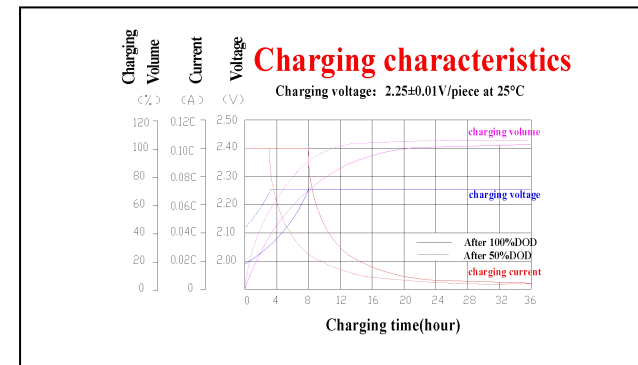
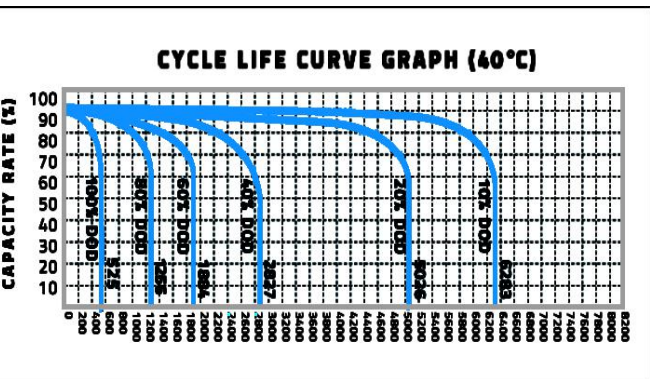
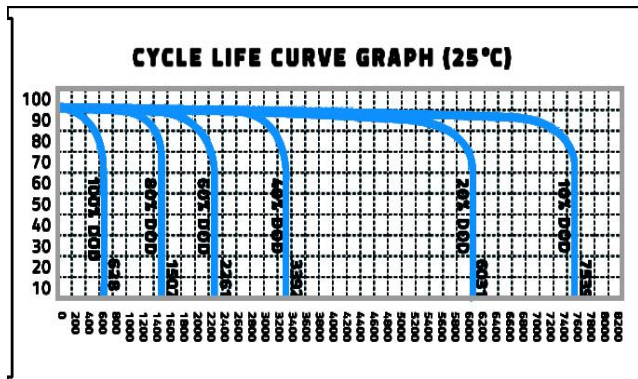
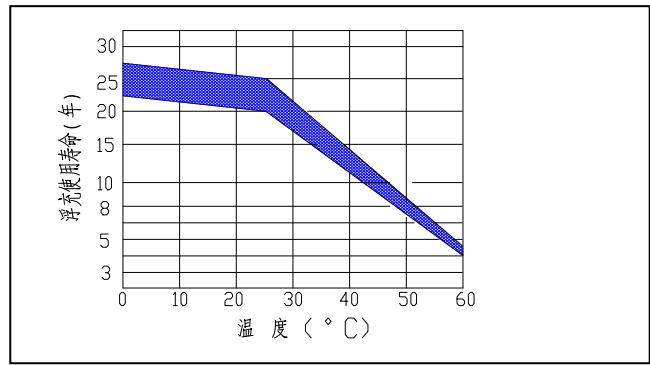
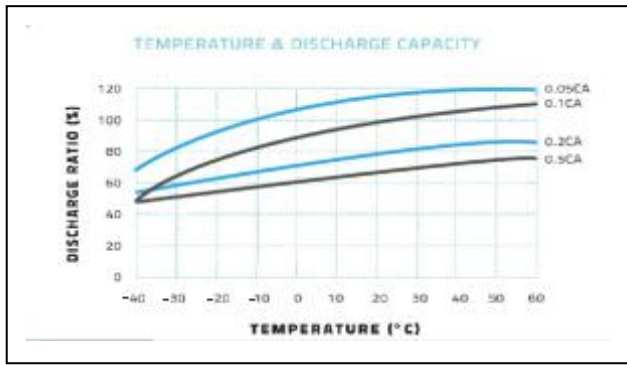
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	1513.13	1008.00	759.66	472.78	339.19	299.25	182.53	133.31	85.78	52.31	46.80	25.99
1.65V	1395.00	929.25	728.16	460.13	330.19	291.38	179.16	131.06	84.66	52.03	46.35	25.73
1.70V	1418.63	945.00	696.38	447.47	320.91	283.22	175.78	128.53	83.53	51.47	45.90	25.48
1.75V	1252.97	834.75	664.88	434.81	311.91	275.34	171.56	125.44	82.13	50.91	45.45	25.23
1.80V	1182.09	787.50	633.09	422.16	302.91	267.19	167.34	122.34	81.00	50.34	45.00	24.98

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

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	2822.06	1879.88	1416.94	881.72	632.53	558.28	340.31	248.91	160.03	97.88	87.19	48.38
1.65V	2601.56	1733.06	1357.88	858.09	615.66	543.38	334.13	244.13	157.78	96.75	86.34	48.09
1.70V	2645.72	1762.31	1298.81	834.47	598.78	528.47	327.94	239.63	155.53	95.91	85.50	47.53
1.75V	2336.91	1556.72	1239.75	810.84	581.63	513.56	320.06	234.00	153.28	95.06	84.66	46.97
1.80V	2204.72	1468.69	1180.69	787.22	564.75	498.38	312.19	228.38	151.03	93.94	83.81	46.69

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 **US** 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	Lead

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