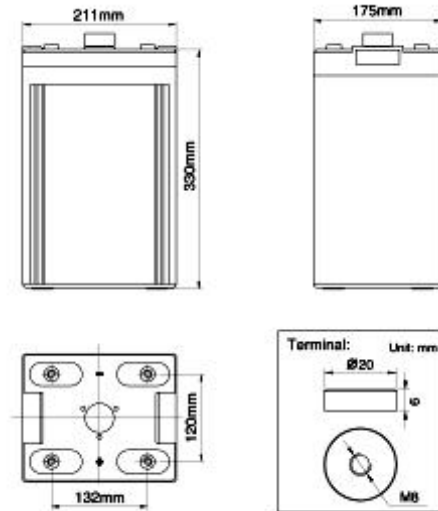


### Product Image



### Product Dimensions



### Characteristics

Nominal Voltage		2V
Nominal Capacity (10 hour rate)		450Ah
Capacity 25°C (77°F)	20 hour rate (21.2A)	480Ah
	5 hour rate (70.7A)	353.5Ah
	1 hour rate (220A)	247.5Ah
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 90A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 90A 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		33.5 kg±200g
Net weight Per Box		33.5kg
Gross Weight		34kg

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

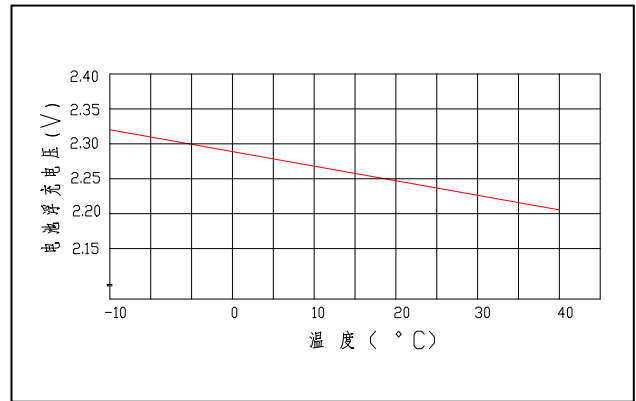
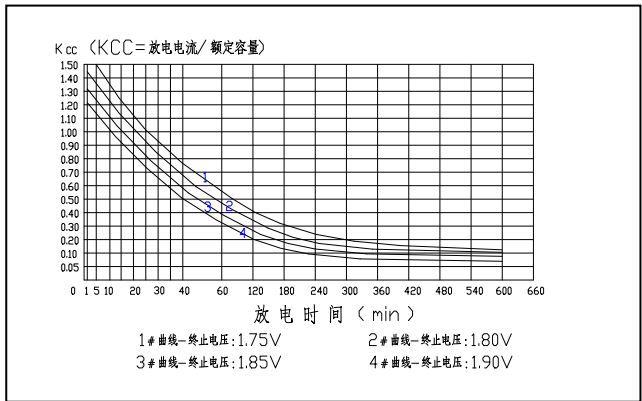
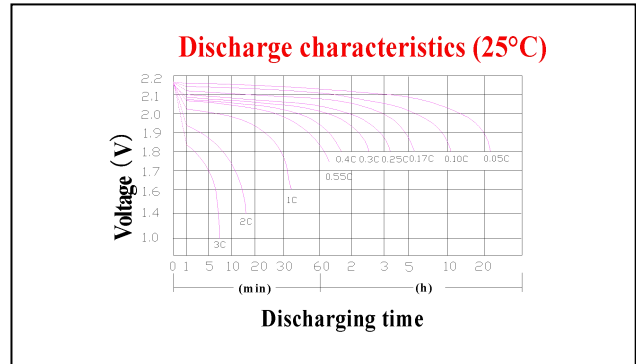
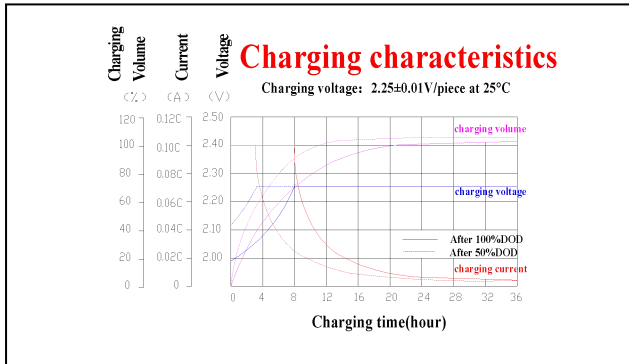
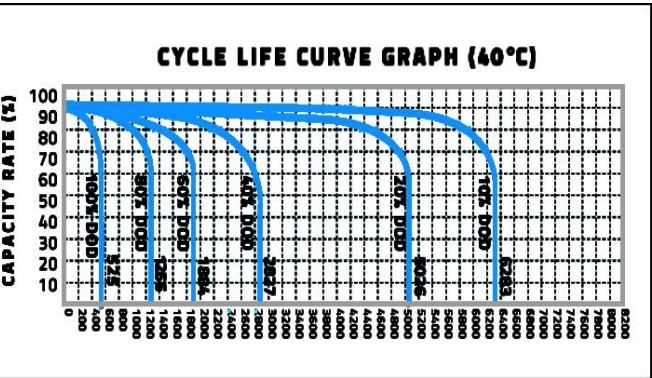
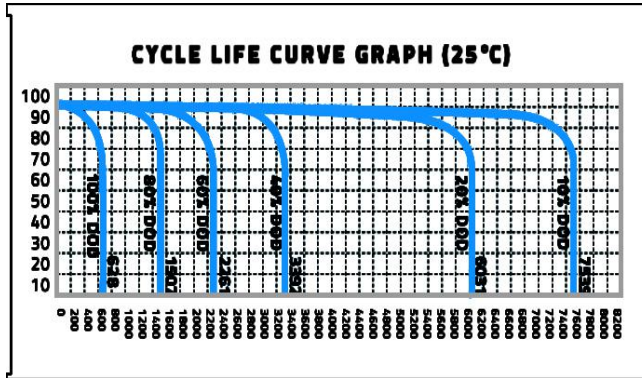
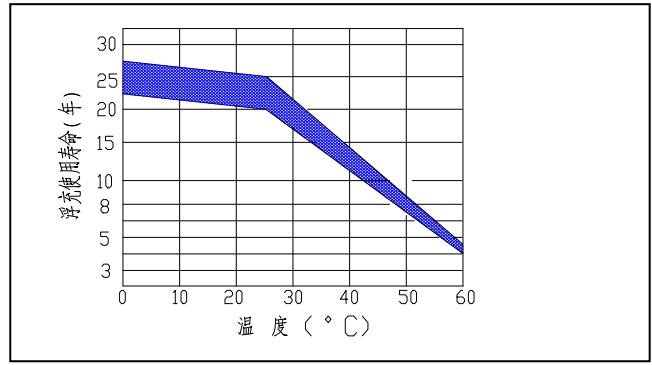
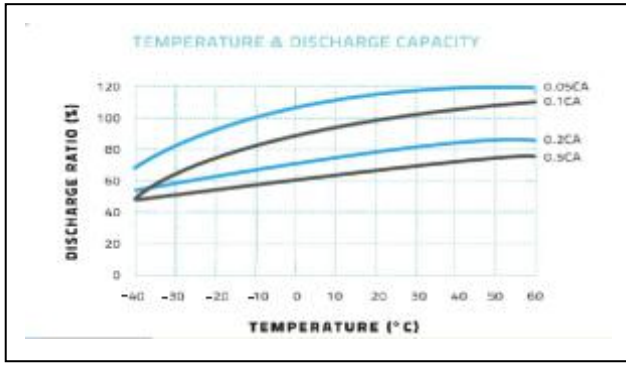
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	1301	836	697	464	333	287	127	124	84	55	50	26
1.65V	1277	821	684	456	327	282	124	122	83	54	49	26
1.70V	1253	806	671	447	321	277	122	119	81	54	48	25
1.75V	1229	791	658	439	315	271	120	117	80	52	47	25
1.80V	1182	760	633	422	303	261	115	113	77	50	45	24

#### 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	2503	1609	1341	894	641	553	244	238	162	107	95	50
1.65V	2458	1580	1316	878	630	543	239	234	159	105	94	50
1.70V	2412	1551	1292	861	618	532	235	230	156	103	92	49
1.75V	2367	1521	1268	845	606	522	231	225	153	101	90	48
1.80V	2276	1463	1219	813	583	503	222	216	147	97	87	46

**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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