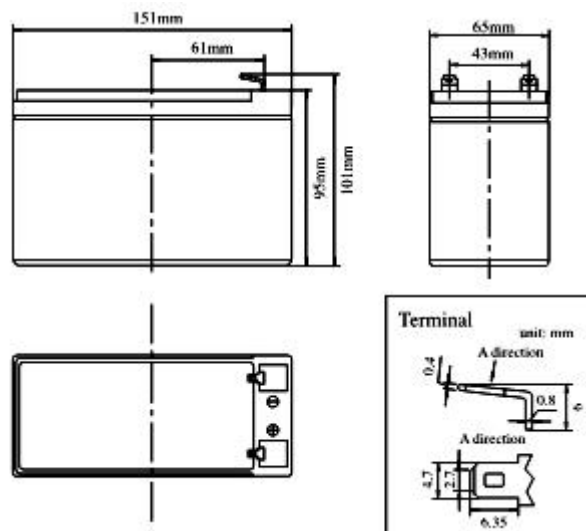


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		9Ah
Capacity 25°C (77°F)	10 hour rate (0.86A)	8.61Ah
	5 hour rate (1.6A)	8.01Ah
	1 hour rate (5.94A)	5.94Ah
Internal Resistance	Full Charged Battery 25°C	≤14mΩ
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 2.7A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 2.7A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	151mm
	Width	65mm
	Height	94mm
	Total Height	100mm
Box Dimensions	Length	325mm
	Width	218mm
	Height	141mm
Quantity Per Box		4 pcs per box
Net weight Per Cell		2.35 kg±150g
Net weight Per Box		14kg
Gross Weight		14.8kg

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

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	26.01	16.72	13.93	9.29	6.66	5.74	2.54	2.48	1.68	1.11	0.99	0.52
1.65V	25.53	16.42	13.68	9.12	6.54	5.63	2.48	2.43	1.66	1.09	0.97	0.51
1.70V	25.07	16.11	13.42	8.95	6.42	5.54	2.44	2.39	1.62	1.07	0.95	0.51
1.75V	24.59	15.81	13.17	8.78	6.30	5.43	2.39	2.34	1.59	1.04	0.94	0.50
1.80V	23.64	15.20	12.66	8.44	6.06	5.22	2.30	2.25	1.53	1.01	0.90	0.48

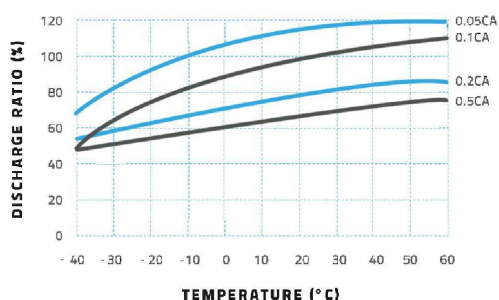
Discharge Constant Power per Cell (Watts at 77°F 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	50.07	32.18	26.81	17.87	12.83	11.05	4.88	4.76	3.24	2.13	1.91	1.01
1.65V	49.16	31.60	26.33	17.55	12.59	10.85	4.79	4.68	3.18	2.10	1.87	0.99
1.70V	48.24	31.01	25.84	17.23	12.36	10.65	4.70	4.59	3.12	2.06	1.84	0.97
1.75V	47.33	30.43	25.35	16.90	12.12	10.45	4.62	4.51	3.06	2.02	1.80	0.95
1.80V	45.51	29.26	24.37	16.25	11.66	10.05	4.44	4.33	2.94	1.94	1.74	0.92

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.

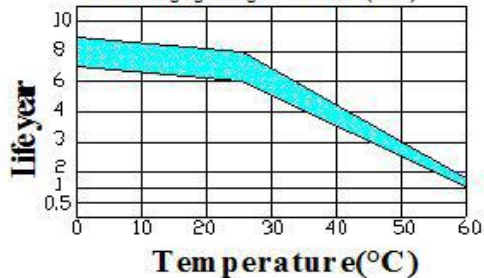
Performance Characteristics

TEMPERATURE & DISCHARGE CAPACITY

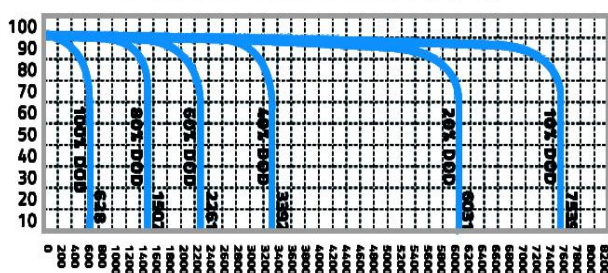


Temperature effect on float life

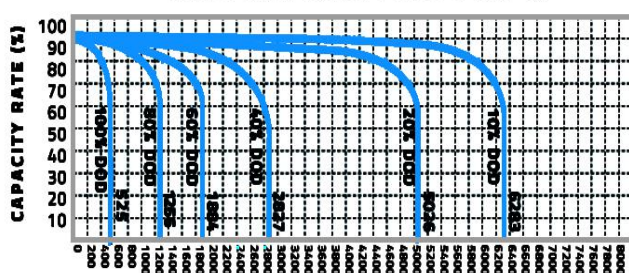
Float charging voltage $13.65 \pm 0.01V$ (25°C)



CYCLE LIFE CURVE GRAPH (25°C)

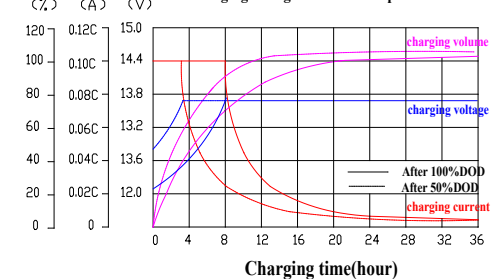


CYCLE LIFE CURVE GRAPH (40°C)

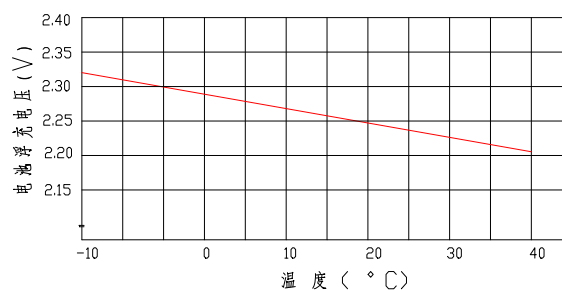
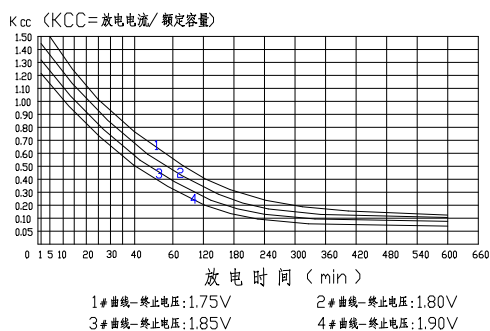
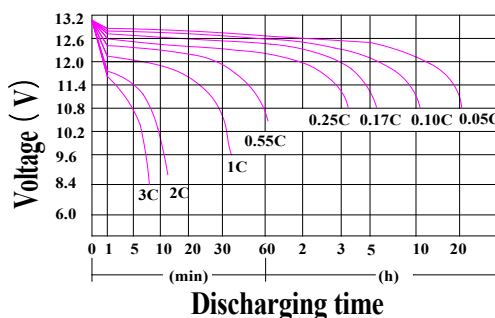


Charging characteristics

Charging voltage: $13.65 \pm 0.01V$ /piece at 25°C



Discharge characteristics (25°C)



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	Nano

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