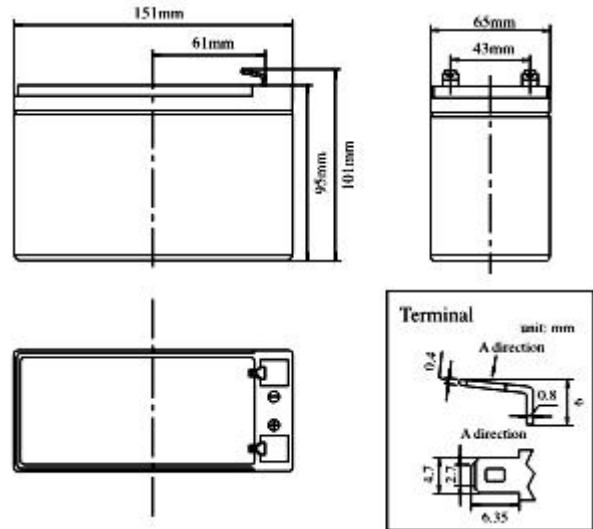


GERCH[®] Lead Crystal battery **GE6.2-12E (12V6.2Ah)**

Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		6.2Ah
Capacity 25°C (77°F)	10 hour rate (0.62A)	6.0Ah
	5 hour rate (1.16A)	5.1Ah
	1 hour rate (4.29A)	3.48Ah
Internal Resistance	Full Charged Battery 25°C	≤20m Ω
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 1.55A Voltage 13.6-13.8V
	Cycle	Initial Charging Current Less than 1.55A Voltage 14.4-15.0V

Packaging

Battery Dimensions	Length	151mm
	Width	65mm
	Height	95mm
	Total Height	101mm
Box Dimensions	Length	364mm
	Width	165mm
	Height	141mm
Quantity Per Box		5 pcs per box
Net weight Per Cell		2. kg±100g
Net weight Per Box		10.15kg
Gross Weight		10.6kg

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	17.40	11.18	9.32	6.22	4.45	3.85	1.70	1.66	1.13	0.75	0.66	0.35
1.65V	17.07	10.98	9.15	6.09	4.38	3.77	1.66	1.62	1.11	0.73	0.66	0.35
1.70V	16.76	10.78	8.97	5.98	4.29	3.70	1.62	1.59	1.08	0.71	0.64	0.35
1.75V	16.45	10.58	8.81	5.87	4.21	3.63	1.60	1.57	1.06	0.69	0.62	0.33
1.80V	15.81	10.16	8.46	5.65	4.05	3.48	1.53	1.51	1.02	0.67	0.60	0.31

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

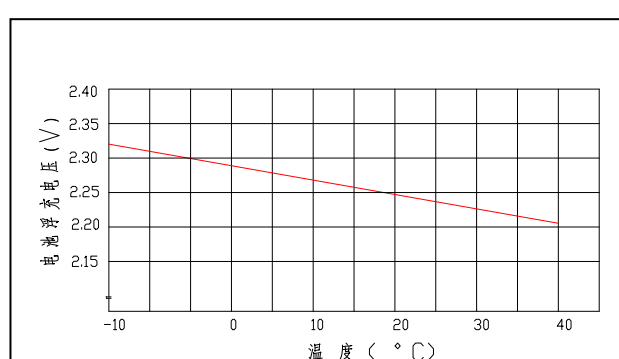
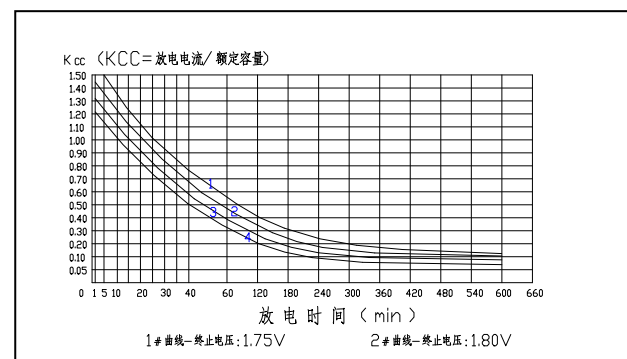
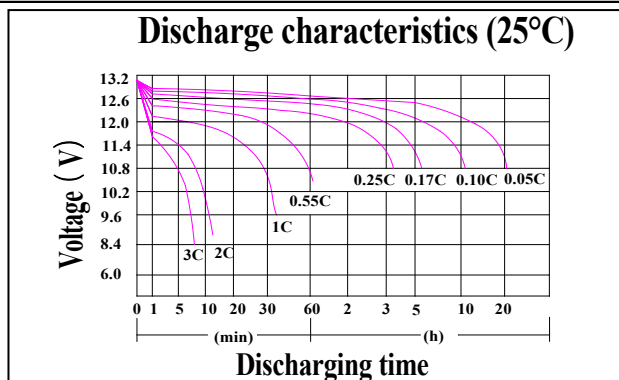
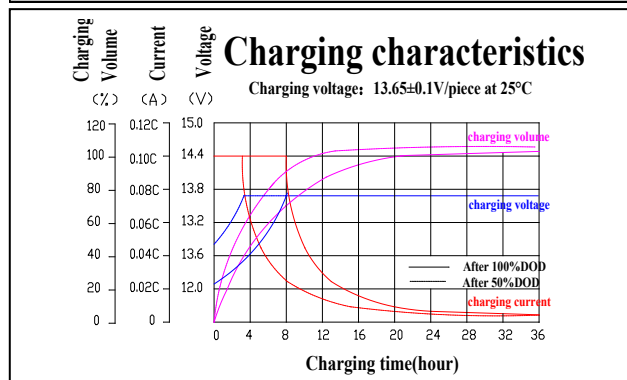
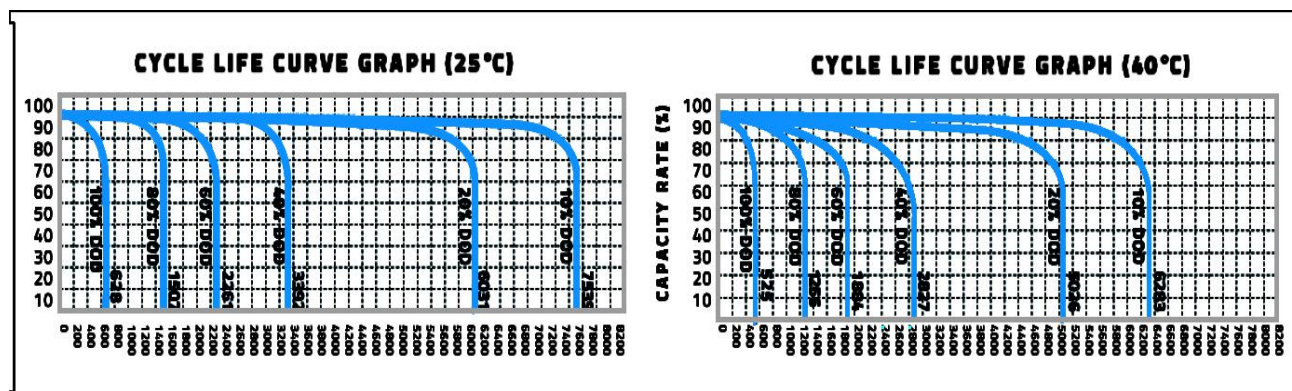
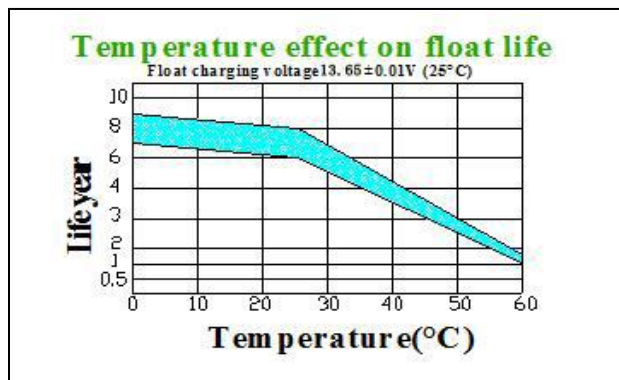
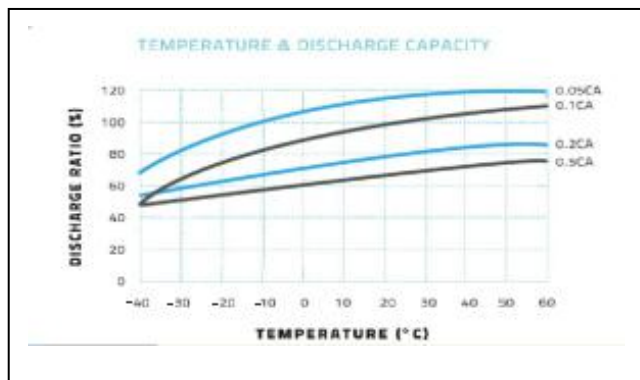
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	33.48	21.52	17.93	11.94	8.57	7.39	3.26	3.19	2.17	1.42	1.28	0.67
1.65V	32.86	21.13	17.60	11.74	8.42	7.26	3.21	3.14	2.12	1.40	1.26	0.66
1.70V	32.26	20.73	17.27	11.52	8.26	7.11	3.14	3.06	2.10	1.39	1.22	0.66
1.75V	31.64	20.35	16.96	11.31	8.11	6.98	3.08	3.01	2.04	1.35	1.20	0.64

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1.80V	30.43	19.57	16.30	10.87	7.80	6.73	2.97	2.90	1.97	1.29	1.17	0.62
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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	Nano

GERCH[®] Lead Crystal battery **GE6.2-12E (12V6.2Ah)**

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