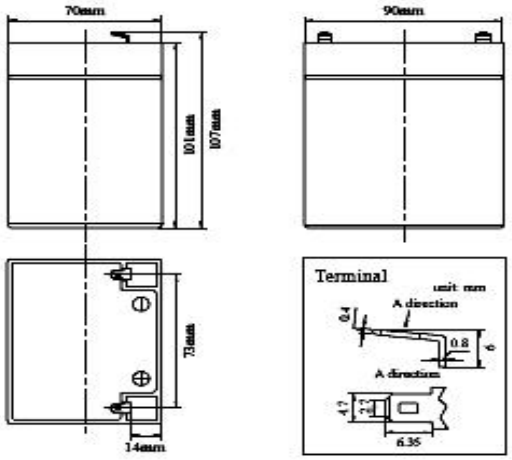
GERCH® Lead Crystal battery GE3.4-12E（12V3.4Ah）

Product Image

Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		3.4Ah
Capacity 25℃(77°F)	10 hour rate (0.31A)	3.3Ah
	5 hour rate (0.57A)	2.8Ah
	1 hour rate (2.1A)	1.91Ah
Internal Resistance	Full Charged Battery 25℃	≤34mΩ
Capacity affected by Temperature (10 hour)	40℃ (104°F)	102%
	25℃ (77°F)	100%
	-20℃ (-4°F)	82%
	-35℃ (-31°F)	65%
Self-Discharge 25℃(77°F) Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25℃ (77°F)	Float	Initial Charging Current Less than 0.85A Voltage 13..6-13.8V
	Cycle	Initial Charging Current Less than 0.85A

Packaging

Battery Dimensions	Length	90mm
	Width	70mm
	Height	101mm
	Total Height	107mm
Box Dimensions	Length	389mm
	Width	200mm
	Height	147mm
Quantity Per Box		10 pcs per box
Net weight Per Cell		1.4 kg±50g
Net weight Per Box		14kg
Gross Weight		14.4kg

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

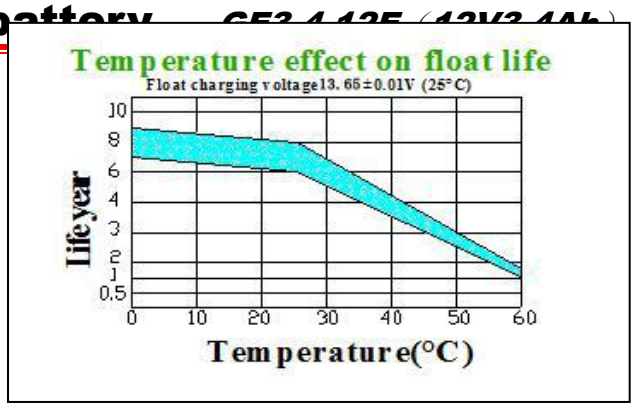
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	9.54	6.13	5.11	3.41	2.44	2.11	0.93	0.91	0.62	0.41	0.36	0.19
1.65V	9.36	6.02	5.02	3.34	2.40	2.07	0.91	0.89	0.61	0.40	0.36	0.19
1.70V	9.19	5.91	4.92	3.28	2.35	2.03	0.89	0.87	0.59	0.39	0.35	0.19
1.75V	9.02	5.80	4.83	3.22	2.31	1.99	0.88	0.86	0.58	0.38	0.34	0.18
1.80V	8.67	5.57	4.64	3.10	2.22	1.91	0.84	0.83	0.56	0.37	0.33	0.17

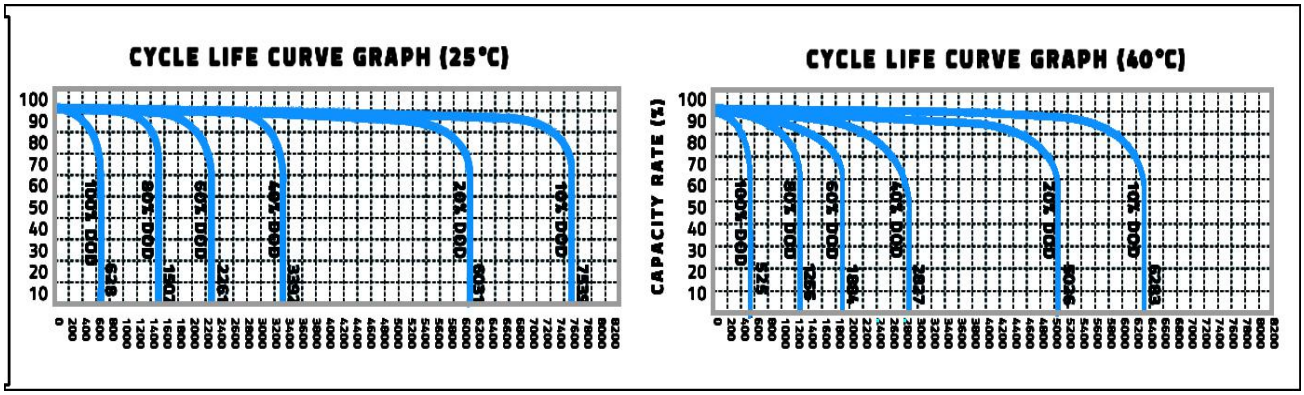
Discharge Constant Power per Cell (Watts at 77°F 25°C)

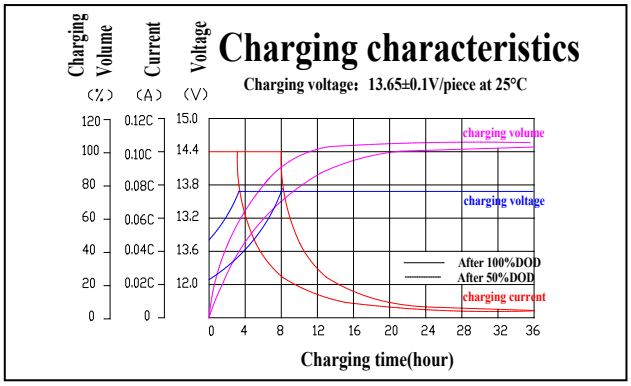
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	18.36	11.80	9.83	6.55	4.70	4.05	1.79	1.75	1.19	0.78	0.70	0.37
1.65V	18.02	11.59	9.65	6.44	4.62	3.98	1.76	1.72	1.16	0.77	0.69	0.36
1.70V	17.69	11.37	9.47	6.32	4.53	3.90	1.72	1.68	1.15	0.76	0.67	0.36
1.75V	17.35	11.16	9.30	6.20	4.45	3.83	1.69	1.65	1.12	0.74	0.66	0.35
1.80V	16.69	10.73	8.94	5.96	4.28	3.69	1.63	1.59	1.08	0.71	0.64	0.34

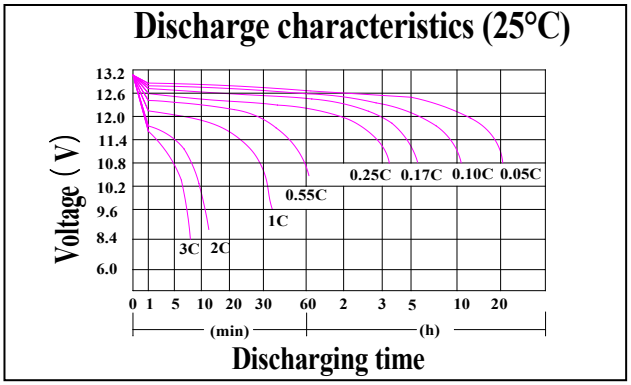
Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **US** for the latest information.

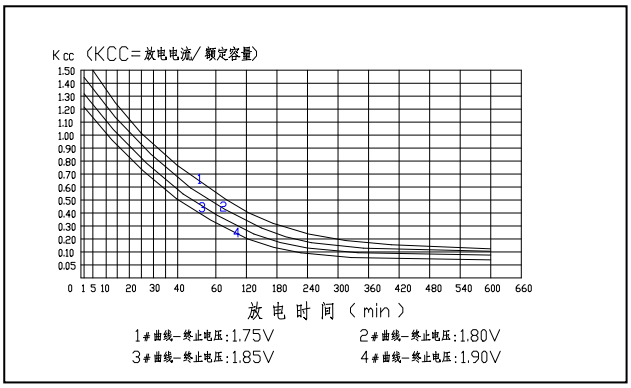
Performance Characteristics

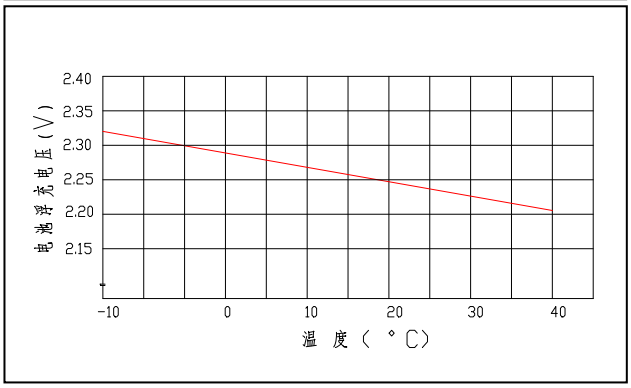












Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Copper	Fiberglass	Nano

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