



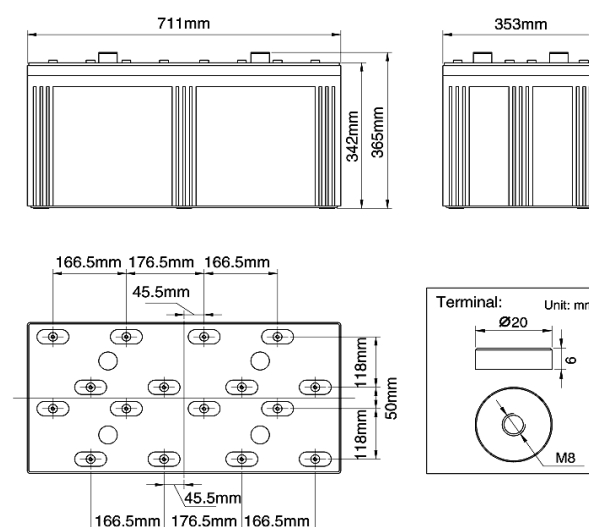
Silicon energy battery

□ **GE2800-2S (2V2800Ah)**

Product Image



Product Dimensions



Characteristics

Nominal Voltage		2V
Nominal Capacity (10 hour rate)		2800Ah
Capacity 25°C(77°F)	20 hour rate (148.4A)	2968Ah
	5 hour rate (494.4A)	2472Ah
	1 hour rate (1540A)	1540Ah
Internal Resistance	Full Charged Battery 25°C	≤0.08mΩ
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 560A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 560A Voltage 2.33-2.37V

Packaging

Battery Dimensions	Length	711mm
	Width	353mm
	Height	342mm
	Total Height	382mm
Box Dimensions	Length	800mm
	Width	770mm
	Height	518mm
Quantity Per Box		2 PC per box
Net weight Per Cell		190 kg±1000g
Net weight Per Box		385kg
Gross Weight		390kg

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

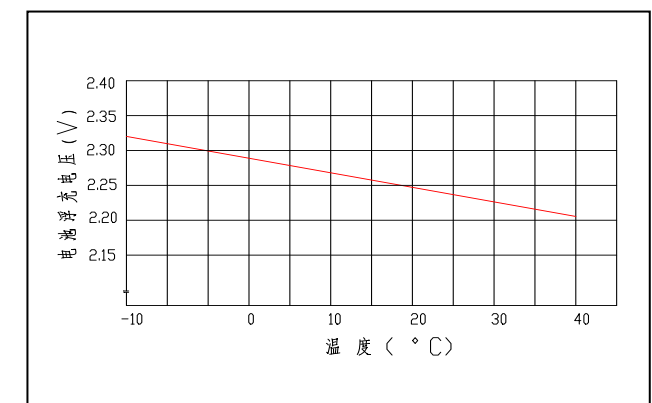
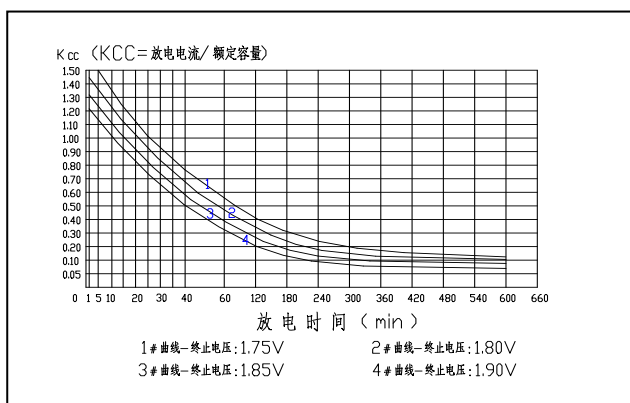
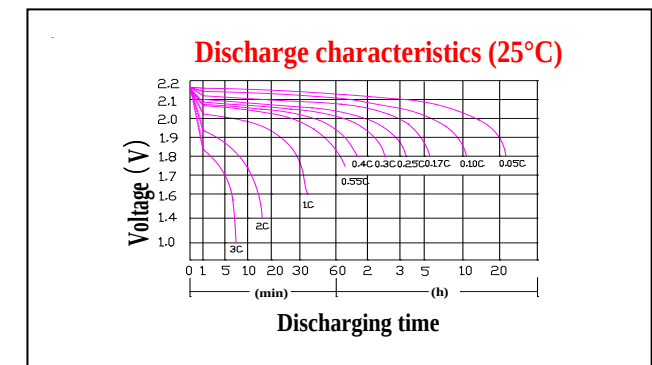
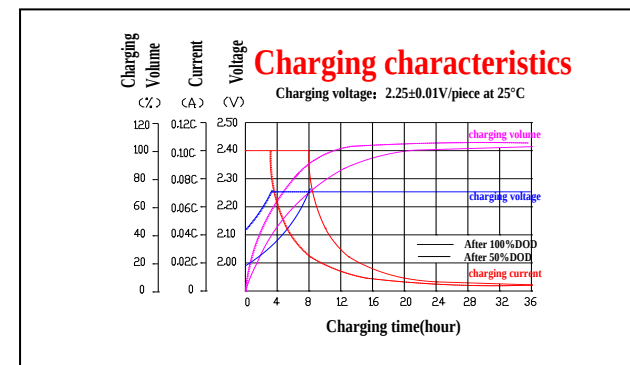
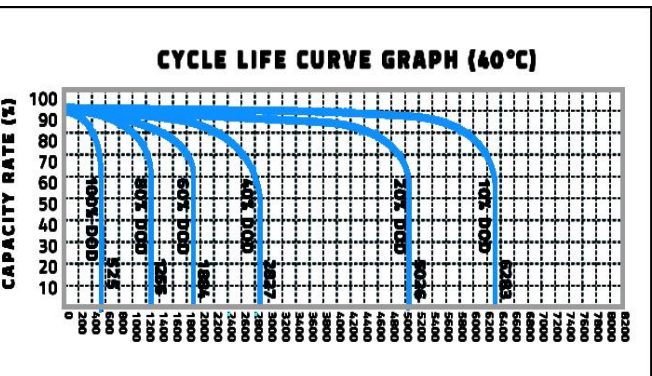
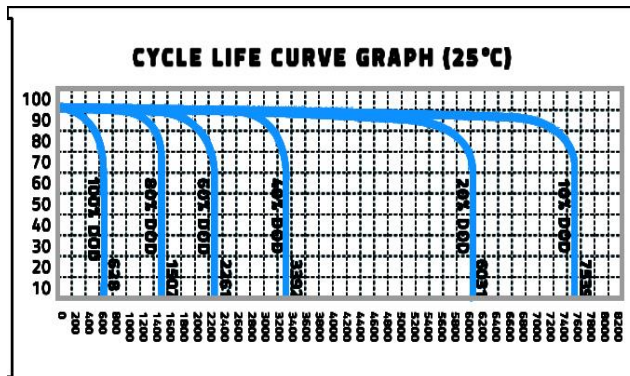
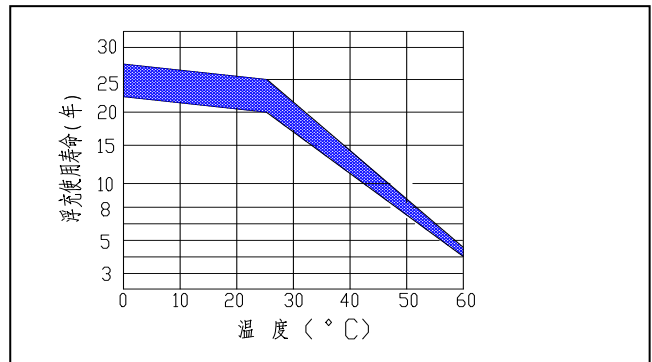
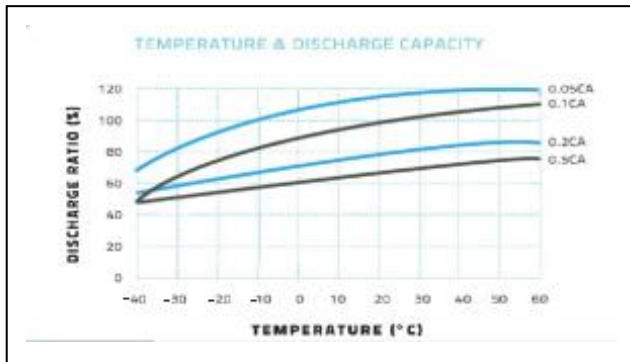
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	8092.0	5202.4	4334.4	2889.6	2072.0	1786.4	789.6	770.0	523.6	344.4	308.0	163.2
1.65V	7943.6	5107.2	4256.0	2836.4	2035.6	1752.8	772.8	756.0	515.2	338.8	302.4	160.2
1.70V	7798.0	5012.0	4174.8	2783.2	1996.4	1722.0	758.8	742.0	504.0	333.2	296.8	157.4
1.75V	7649.6	4919.6	4096.4	2732.8	1960.0	1688.4	744.8	728.0	495.6	324.8	291.2	154.3
1.80V	7355.6	4729.2	3939.6	2626.4	1884.4	1624.0	716.8	700.0	476.0	313.6	280.0	148.4

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	15576.4	10012.8	8341.2	5560.8	3990.0	3438.4	1517.6	1481.2	1008.0	663.6	593.6	313.6
1.65V	15293.6	9830.8	8190.0	5460.0	3917.2	3376.8	1489.6	1456.0	988.4	652.4	582.4	308.0
1.70V	15008.0	9648.8	8038.8	5359.2	3844.4	3312.4	1461.6	1428.0	971.6	641.2	571.2	302.4
1.75V	14725.2	9466.8	7887.6	5258.4	3771.6	3250.8	1436.4	1402.8	952.0	627.2	560.0	296.8
1.80V	14159.6	9102.8	7582.4	5056.8	3628.8	3127.6	1380.4	1346.8	915.6	604.8	540.4	285.6

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

Guangdong JiYi General Electric Co., Ltd.

Oversea sales office Tel: +86-020-84869873

Fax: +86-020-34628335

Domestic sales office Tel: 020-34628335

Fax: 020-34628335

E-mail: ge@gerch.cn