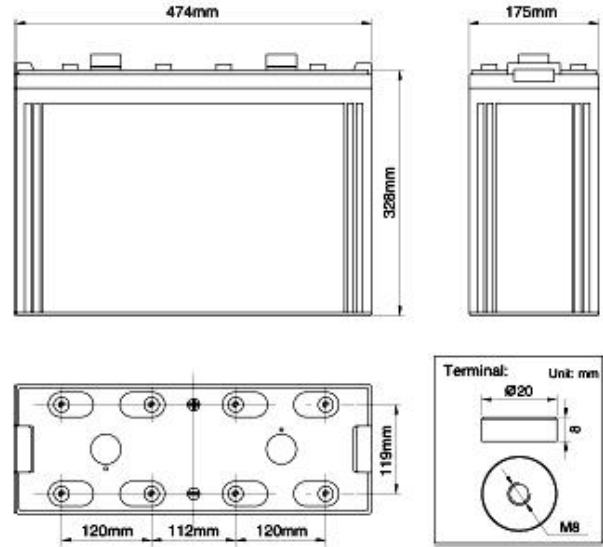


GERCH® Lead Crystal battery □ GE1250-2E (2V1250Ah)

Product Image



Product Dimensions



Characteristics

Nominal Voltage		2V
Nominal Capacity (10 hour rate)		1250Ah
Capacity 25°C (77°F)	20 hour rate (63.6A)	1387.6Ah
	5 hour rate (212A)	1125Ah
	1 hour rate (660A)	742.2Ah
Internal Resistance	Full Charged Battery 25°C	≤0.19mΩ
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 240A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 240A Voltage 2.33-2.37V

Packaging

Battery Dimensions	Length	475mm
	Width	175mm
	Height	328mm
	Total Height	365mm
Box Dimensions	Length	489mm
	Width	189mm
	Height	422mm
Quantity Per Box		1 PC per box
Net weight Per Cell		64.5 kg±3%
Net weight Per Box		65kg
Gross Weight		66.3kg

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

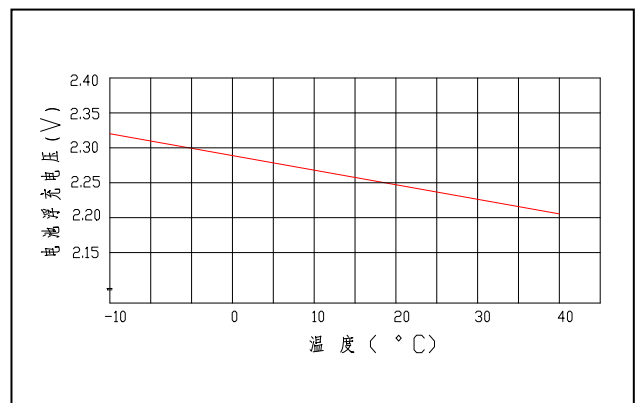
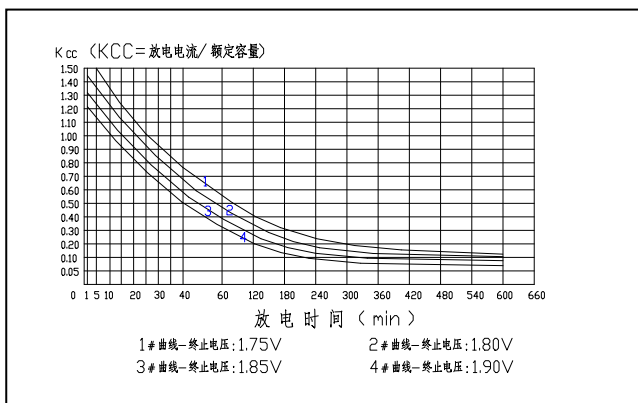
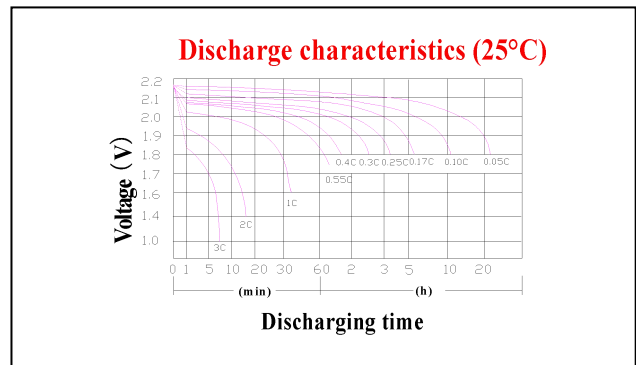
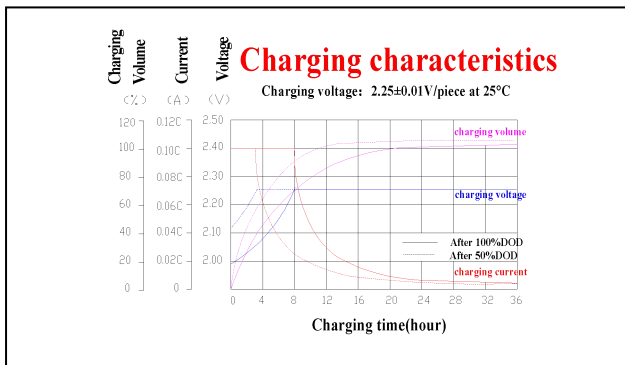
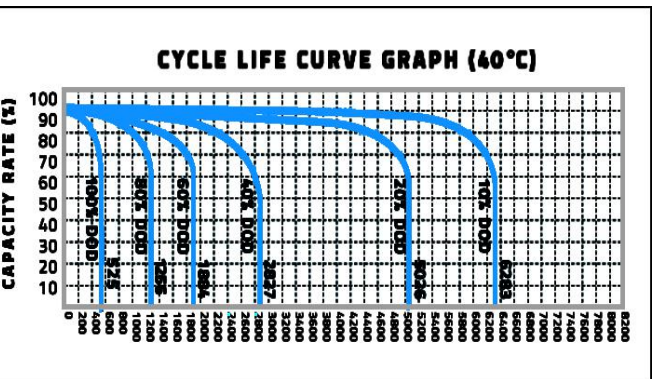
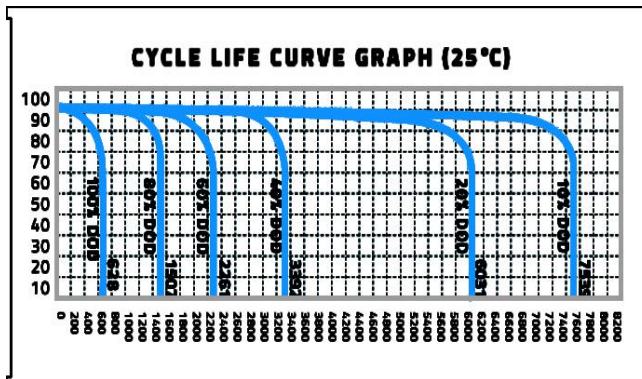
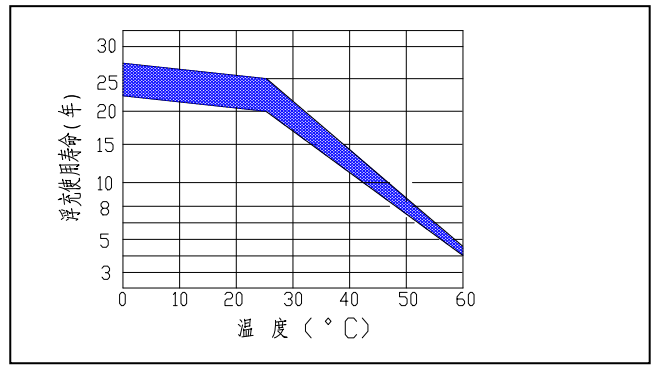
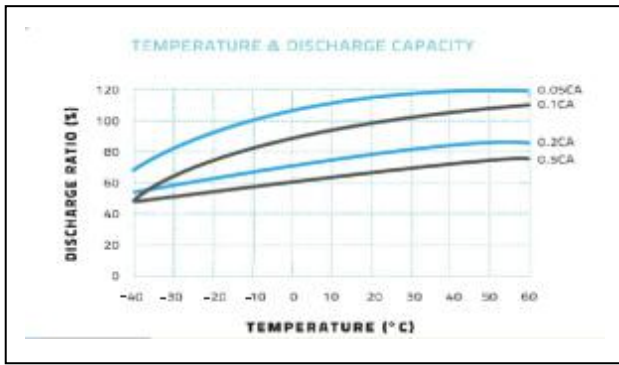
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	4203.13	2800.00	2110.16	1313.28	942.19	831.25	507.03	370.31	238.28	145.31	130.00	72.19
1.65V	3875.00	2581.25	2022.66	1278.13	917.19	809.38	497.66	364.06	235.16	144.53	128.75	71.48
1.70V	3940.63	2625.00	1934.38	1242.97	891.41	786.72	488.28	357.03	232.03	142.97	127.50	70.78
1.75V	3480.47	2318.75	1846.88	1207.81	866.41	764.84	476.56	348.44	228.13	141.41	126.25	70.08
1.80V	3283.59	2187.50	1758.59	1172.66	841.41	742.19	464.84	339.84	225.00	139.84	125.00	69.38

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	7839.06	5221.88	3935.94	2449.22	1757.03	1550.78	945.31	691.41	444.53	271.88	242.19	134.38
1.65V	7226.56	4814.06	3771.88	2383.59	1710.16	1509.38	928.13	678.13	438.28	268.75	239.84	133.59
1.70V	7349.22	4895.31	3607.81	2317.97	1663.28	1467.97	910.94	665.63	432.03	266.41	237.50	132.03
1.75V	6491.41	4324.22	3443.75	2252.34	1615.63	1426.56	889.06	650.00	425.78	264.06	235.16	130.47
1.80V	6124.22	4079.69	3279.69	2186.72	1568.75	1384.38	867.19	634.38	419.53	260.94	232.81	129.69

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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