

MODEL NUMBER: GEL100 - 12V

Specifications:

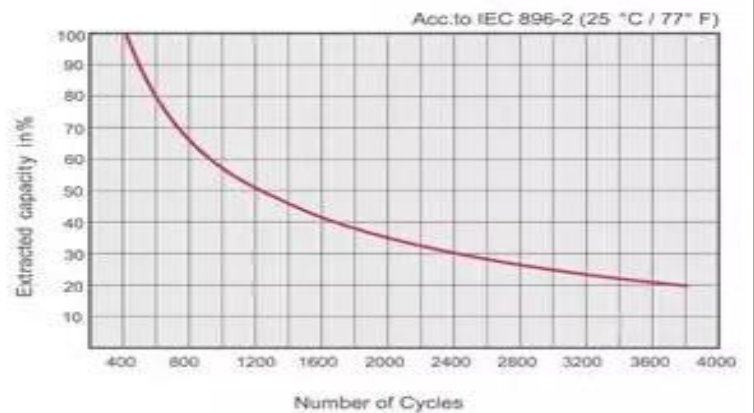
Nominal Voltage		12V
Nominal Capacity (20 hour rate)		100Ah
Battery Dimensions	Length	405mm
	Width	173mm
	Height	210mm
	Total Height	230mm
Box Dimensions	Length	420mm
	Width	188mm
	Height	290mm
Quantity Per Box		1 PC per box
Net weight Per Cell		30.0 kg ± 1kg
Net weight Per Box		30.0 - 31.0 kg
Gross Weight		31.0 - 32.0 kg

Characteristics:

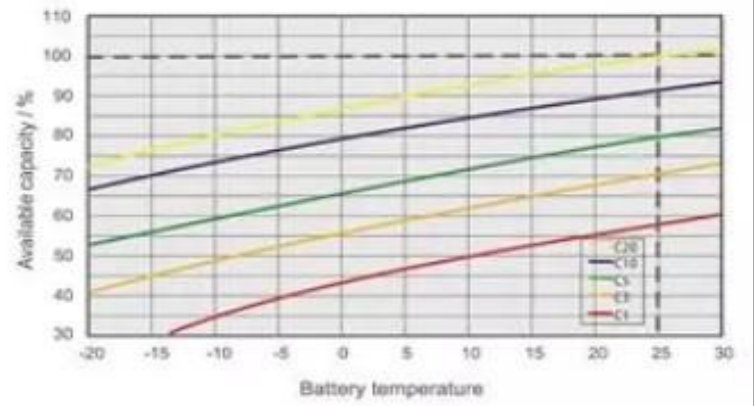
Capacity 25°C (77°F)	10 Hour Rate(9.0A)	100AH
	5 Hour Rate(14.4A)	80AH
	1 Hour Rate(54.0A)	60AH
Internal Resistance	Full Charged Battery 25°C	5mΩ
Capacity affected by Temperature (10 hour)	40°C / (104°F)	102%
	25°C / (77°F)	100%
	0°C / (32°F)	85%
	-15°C / (5°F)	65%
Self-Discharge 25° C (77° F) Capacity	after 3 month storage	91%
	after 6 month storage	82%
	after 12 month storage	62%
Charge (Constant Voltage)25°C (77°F)	Float	Initial Charging Current Less than 40A Voltage 14.40-14.80V Time 14~16h
	Cycle	Initial Charging Current Less than 40A Voltage 13.50-13.80V



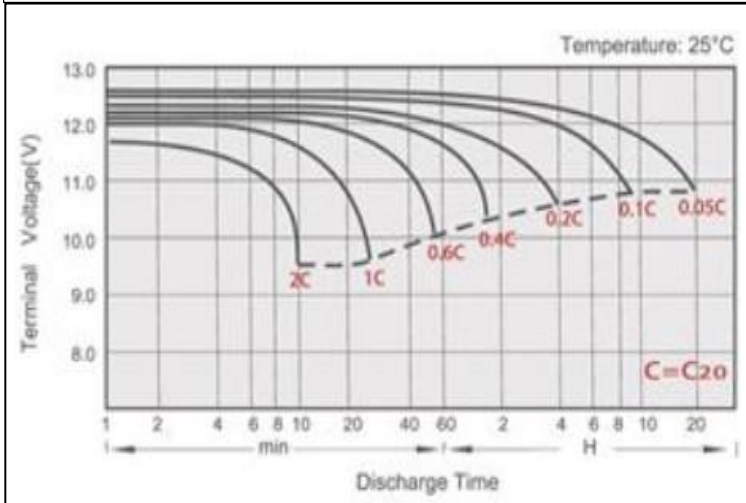
Cycle Life in Relation to Depth of Discharge



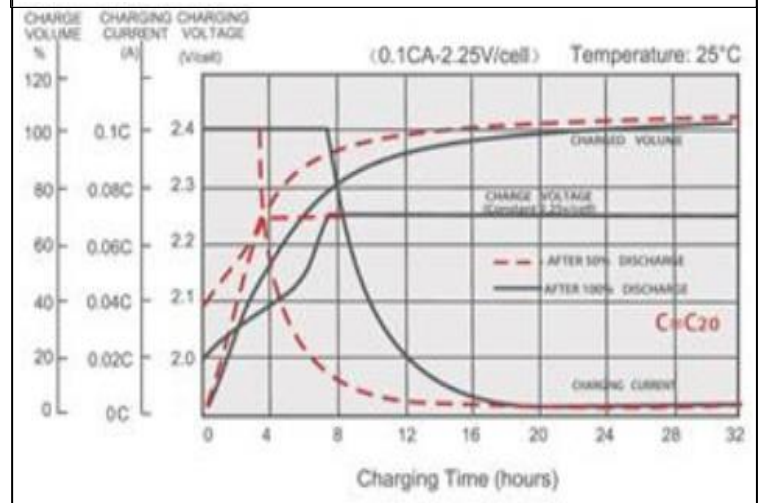
Temperature Effects in Relation to Battery Capacity



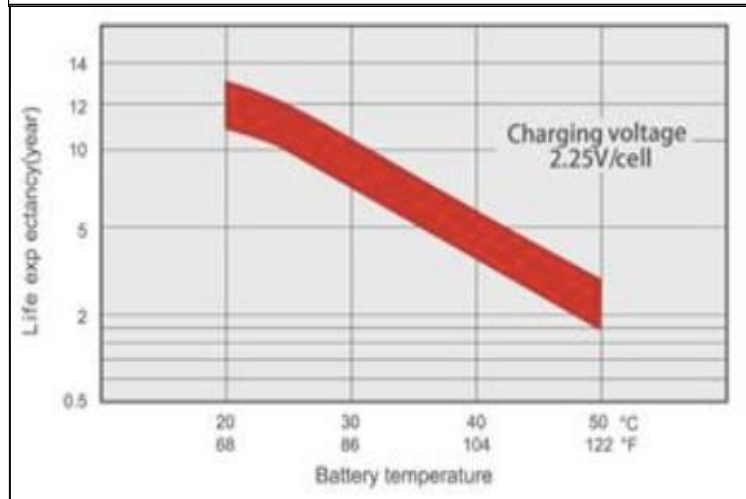
Discharge Characteristics



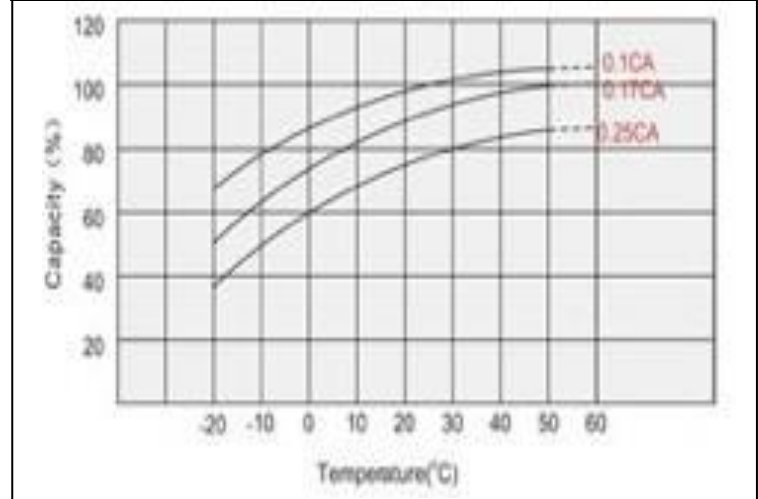
Float Charging Characteristics



Effect of Temperature on Long Term Float Life



Temperature Effects in Relation to Battery Capacity



CONSTANT WATTAGE DISCHARGE (WATTS PER CELL @ 25°C)

Cut off voltage V/cell	1M	5M	10M	15M	30M	45M	1h	2h	3h	5h	8h	10h	20h	24h
1.60V	627	569	390	307	197	147	122	70.2	49.6	32.4	22.4	18.05	9.38	7.96
1.65V	610	555	383	302	192	145	120	69.8	49.5	32.4	22.4	18.00	9.34	7.95
1.70V	582	531	371	294	185	142	120	69.1	49.3	32.4	22.3	17.94	9.28	7.92
1.75V	540	492	353	281	174	138	118	68.0	49.0	32.2	21.8	17.85	9.21	7.87
1.80V	476	432	325	264	159	133	114	67.0	48.6	31.9	21.2	17.73	9.12	7.81
1.85V	393	353	285	242	141	127	107	65.2	48.1	31.5	20.2	17.55	9.00	7.71

*The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values