

GE1000-2 2V1000AH

GE SERIES-Telecom Battery



Specification

Nominal Voltage	2V	
Nominal Capacity(10HR)	1000AH	
Dimension	Length	477±3mm (18.77 inches)
	Width	174±3mm (6.85 inches)
	Container Height	327±3mm (12.87 inches)
	Total Height (with Terminal)	364±3mm (14.33 inches)
Approx Weight	Approx 55.2 kg (121.69 lbs)	
Terminal	T5	
Container Material	ABS	
Rated Capacity	1070.0 AH/53.50A	(20hr, 1.80V/cell, 25°C/77°F)
	1030.0 AH/103.0A	(10hr, 1.80V/cell, 25°C/77°F)
	900.0 AH/180.0A	(5hr, 1.75V/cell, 25°C/77°F)
	762.0 AH/254.0A	(3hr, 1.75V/cell, 25°C/77°F)
	623.0 AH/623.0A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	8000A (5s)	
Internal Resistance	Approx 0.34 mΩ	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 300.0 A. Voltage	
	2.35V~2.45 V at 25 °C(77 °F)Temp. Coefficient -5mV/°C	
Standby Use	No limit on Initial Charging Current Voltage	
	2.25V~2.28V at 25 °C(77 °F)Temp. Coefficient -3mV/°C	
Capacity affected by Temperature	40°C (104 °F)	103%
	25°C (77 °F)	100%
	0°C (32 °F)	86%
Self Discharge	JYC GE series battery may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	

Applications

- ◆ Telecommunications
- ◆ Solar system
- ◆ Wind power system
- ◆ Engine starting
- ◆ Wheelchair
- ◆ Floor cleaning machines
- ◆ Golf trolley
- ◆ Boats

ISO 9001	ISO 14001	OHSAS 18001	TLC
CE	RoHS	UL	PV Battery

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

End	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	1134	954	744	623	398	278	225	196	134	110
1.65V	1069	910	718	606	388	271	219	191	132	109
1.70V	990	855	690	589	377	263	213	186	130	107
1.75V	908	796	658	570	365	254	206	180	127	105
1.80V	823	735	625	548	351	243	197	173	123	103

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

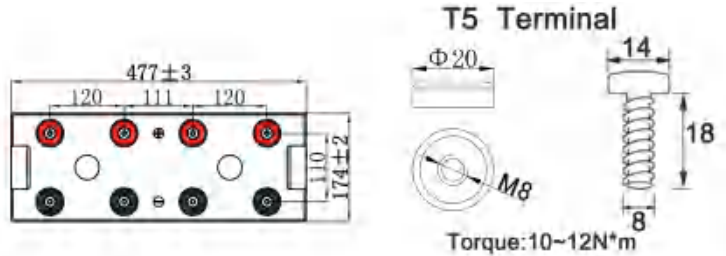
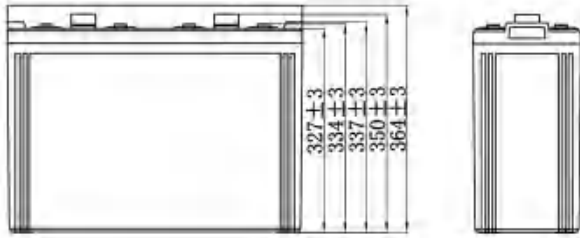
End	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	2093	1802	1413	1204	779	547	446	391	268	223
1.65V	2018	1742	1378	1177	761	535	435	382	264	221
1.70V	1884	1645	1332	1145	741	519	423	373	261	217
1.75V	1746	1546	1282	1116	720	505	412	363	256	214
1.80V	1591	1439	1223	1079	697	484	389	350	249	210

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

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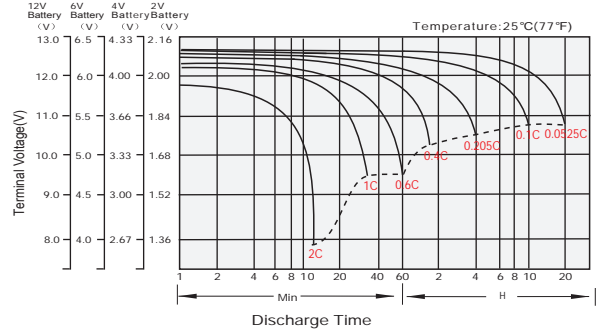
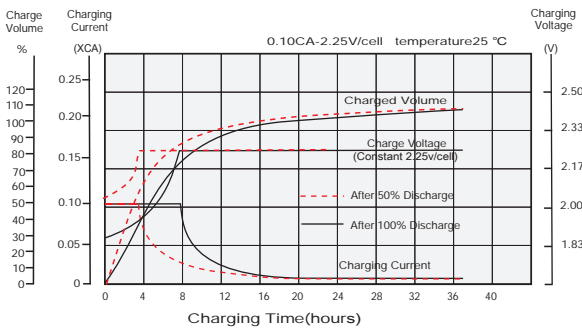
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Dimensions



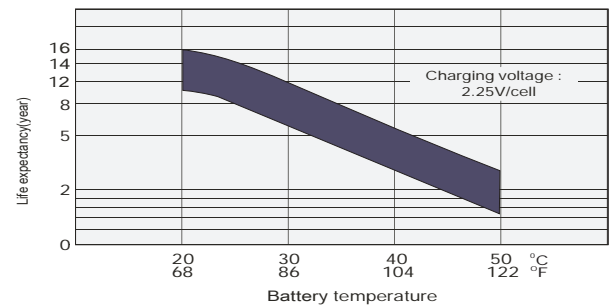
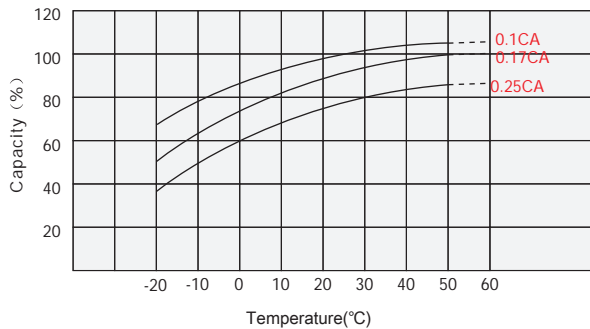
Float Charging Characteristics

Discharge Characteristics



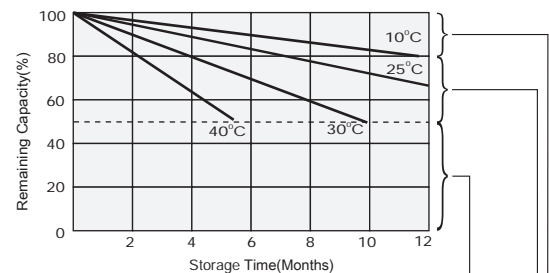
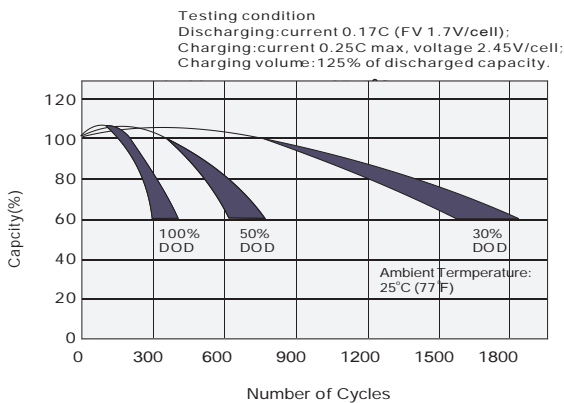
Temperature Effects in Relation to Battery Capacity

Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge

Self Discharge Characteristics



Supplementary charge may often fail to recover the capacity. The battery should never be left standing until this is reached.

Supplementary charge required before use. Optimal charging way as below:
 1. Charged for a above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
 2. Charged for a above 20 hours at a limited current 0.25CA and constant voltage 2.45V/cell.
 3. Charged for 8-10 hours at limited current 0.05CA.

No supplementary charge required
 (Carry out supplementary charge before use if 100% capacity is required.)