GE500-2 2V500AH

GE SERIES-Telecom Battery

Specification

Nomial Voltage	2V
Nomial Capacity(10HR)	500AH
Dimension	Length 241±2mm (9.48 inches) Width 172±2mm (6.77 inches) Container Height 329±2mm (12.95 inches) Total Height (with Terminal) 363±2mm (14.29 inches)
Approx Weight	Approx 27.5 kg (60.62 lbs)
Terminal	T5
Container Material	ABS
Rated Capacity	525.0 AH/26.25A (20hr ,1.80V/cell,25℃/77℉) 508.0 AH/50.8A (10hr,1.80V/cell,25℃/77℉) 427.5 AH/85.5A (5hr,1.75V/cell,25℃/77℉) 375.0 AH/125.0A (3hr,1.75V/cell,25℃/77℉) 300.0 AH/300.0A (1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	4000A (5s)
Internal Resistance	Approx 0.43mΩ
Operating Temp.Range	Discharge : -15～50℃ (5～122℉) Charge : 0～40℃ (32～104℉) Storage : -15～40℃ (5～104℉)
Nominal Operating Temp. Range	25±3℃ (77±5℉)
Cycle Use	Initial Charging Current less than 150.0 A.Voltage 2.35V~2.45V at 25 ℃(77 ℉)Temp. Coefficient -5mV/℃
Standby Use	No limit on Initial Charging Current Voltage 2.24V~2.28V at 25 ℃(77 ℉)Temp. Coefficient -3mV/℃
Capacity affected by Temperature	40℃ (104℉) 103% 25℃ (77℉) 100% 0℃ (32℉) 86%
Self Discharge	JYC GE series batterys may be stored for up to 6 months at 25℃(77℉) 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

Constant Current Discharge (Amperes) at 25 ℃ (77℉)

End	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	685	470	359	303	202	142.6	111.4	93.4	65.3	53.1
1.65V	647	450	348	294	198	139.0	109.2	91.9	64.3	52.7
1.70V	604	428	335	284	192	135.0	106.5	90.0	63.2	52.2
1.75V	560	405	319	273	184	130.5	103.5	87.9	61.8	51.5
1.80V	512	380	301	261	175	125.7	100.4	85.3	60.4	50.7

Constant Power Discharge (Watts) at 25 ℃ (77℉)

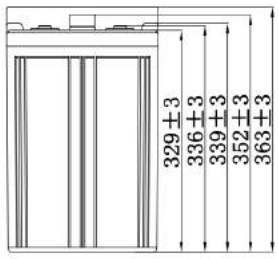
End	15min	30min	45min	1h	2h	3h	4h	5h	8h	10h
1.60V	1264	888	682	586	395	281.2	221.0	185.9	130.8	107.1
1.65V	1221	861	669	571	388	273.8	217.2	183.6	129.0	106.6
1.70V	1150	823	648	552	377	266.5	212.0	180.2	127.1	105.7
1.75V	1077	786	622	535	363	259.2	207.4	176.7	125.2	104.5
1.80V	990	774	590	514	347	250.6	202.2	172.5	122.8	103.2

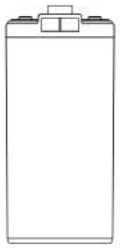
Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

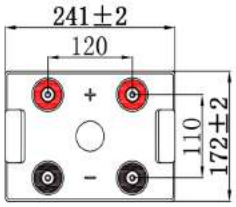
GE500-2 2V500AH

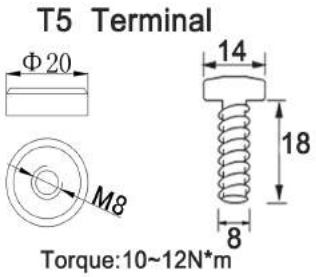
GE SERIES-Telecom Battery

Dimensions

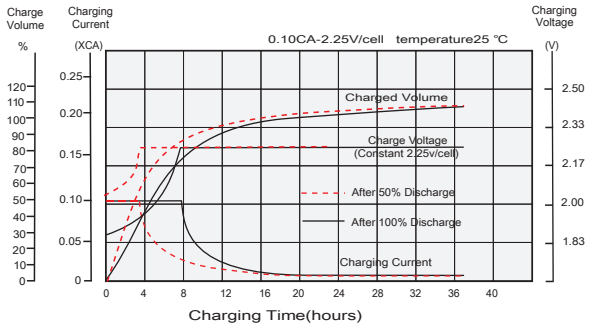




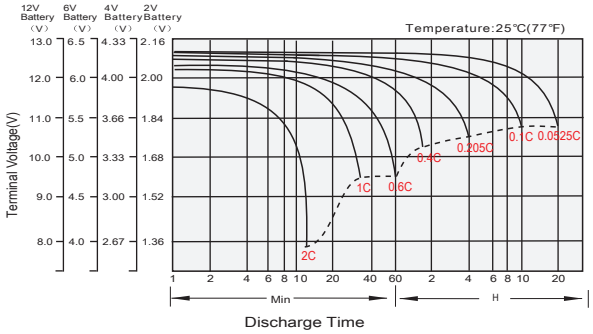




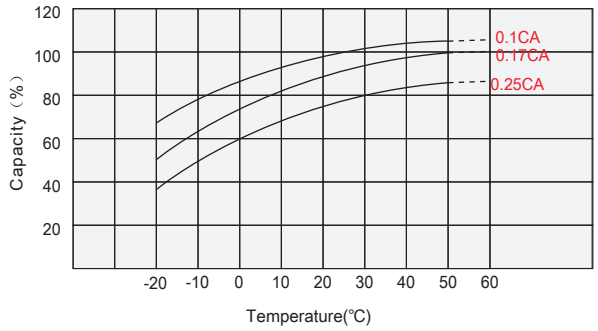
Float Charging Characteristics



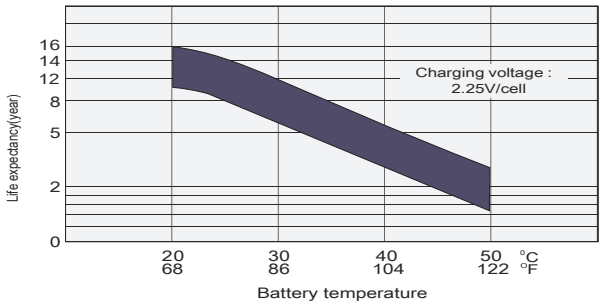
Discharge Characteristics



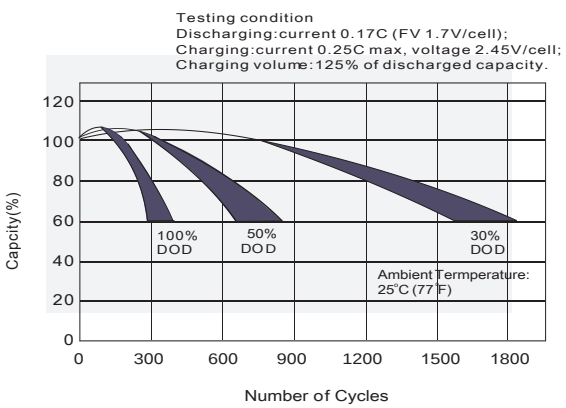
Temperature Effects in Relation to Battery Capacity



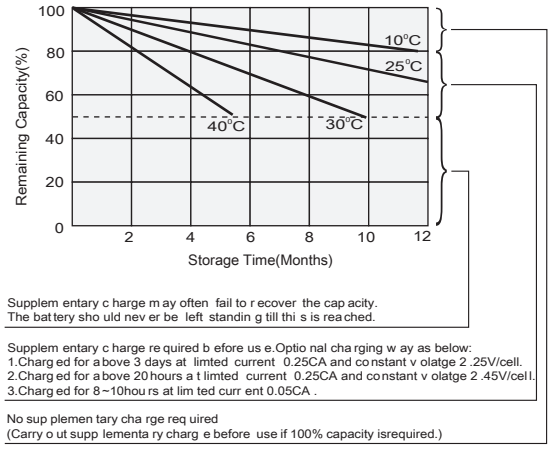
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



JYC GE BATTERIES

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/ specification are subject to modification without notice. Contact JYC for the latest information.