

GEL 2V 1200Ah



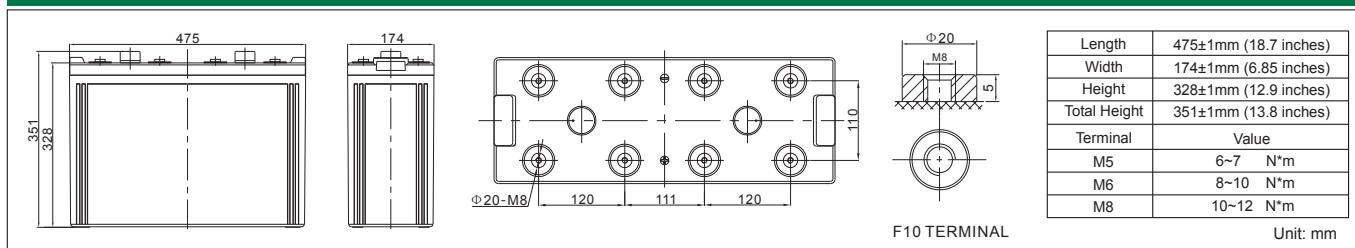
Specification	
Cells Per Unit	1
Voltage Per Unit	2
Capacity	1200Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 74.0 Kg (Tolerance±1.5%)
Internal Resistance	Approx. 0.81 mΩ
Terminal	F10(M8)
Max. Discharge Current	4000A (5 sec)
Design Life	20 years (floating charge)
Maximum Charging Current	240.0A
Reference Capacity	C3 936.0AH C5 1038.0AH C10 1200.0AH C20 1272.0AH
Float Charging Voltage	2.27 V~2.30 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	2.37 V~2.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -40°C~60°C Charge: -20°C~50°C Storage: -40°C~60°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	Less than 3% at 25°C per month
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Application

- Solar/Wind Power System
- Uninterruptible Power Supplies (UPS)
- Electric Power Systems (EPS)
- Emergency Backup Power Supplies
- Communication Power Supplies
- DC Power Supplies
- Auto Control System

Dimensions



Constant Current Discharge Characteristics : A(25°C)

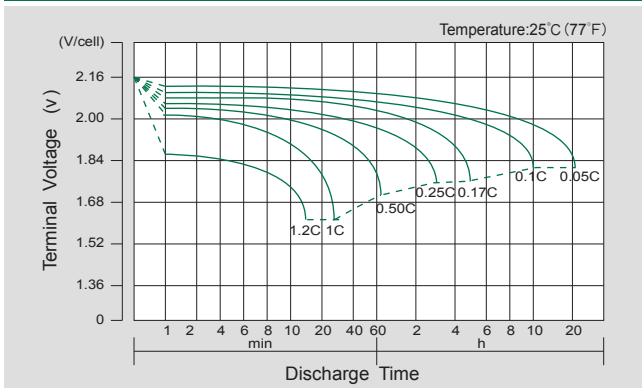
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	1516	1174	784.8	481.2	351.6	270.0	216.0	159.6	124.8	67.2
1.65V	1441	1127	775.2	464.4	337.2	264.0	213.6	152.4	123.6	66.0
1.70V	1344	1062	760.8	457.2	328.8	258.0	210.0	150.0	122.4	64.8
1.75V	1193	955.2	699.6	432.0	312.0	249.6	207.6	152.4	121.2	63.6
1.80V	1027	870.0	660.0	411.6	300.0	240.0	204.0	142.8	120.0	62.4
1.85V	868.8	783.6	609.6	388.8	285.6	234.0	192.0	135.6	116.4	58.8

Constant Power Discharge Characteristics : WPC(25°C)

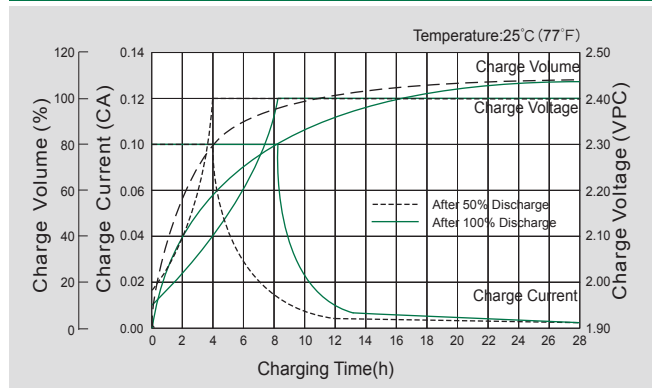
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	2653	2138	1462	901.2	655.2	475.2	428.4	303.6	248.4	134.4
1.65V	2584	2126	1453	888.0	642.0	468.0	424.8	301.2	246.0	132.0
1.70V	2441	2012	1439	874.8	632.4	466.8	420.0	296.4	244.8	129.6
1.75V	2173	1814	1350	829.2	609.6	442.8	414.0	286.8	242.4	127.2
1.80V	1882	1655	1284	790.8	584.4	441.6	406.8	282.0	240.0	124.8
1.85V	1604	1492	1190	748.8	556.8	409.2	384.0	267.6	232.8	117.6

Note: The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

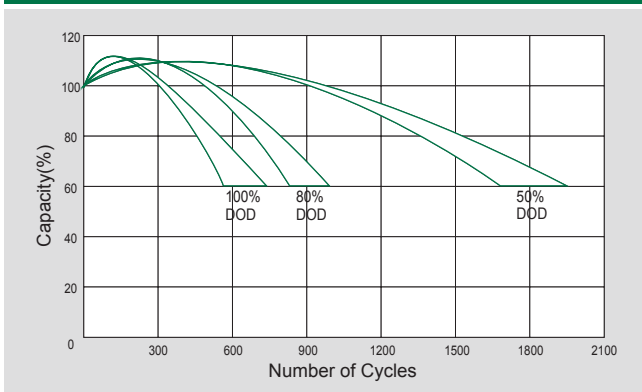
Discharge Characteristics Curve



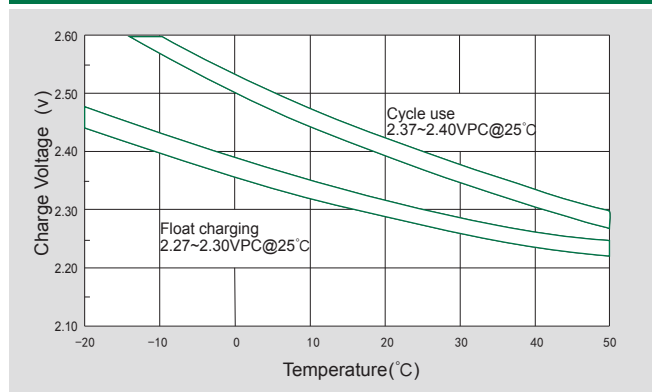
Charge Characteristic Curve for Cycle Use(IU)



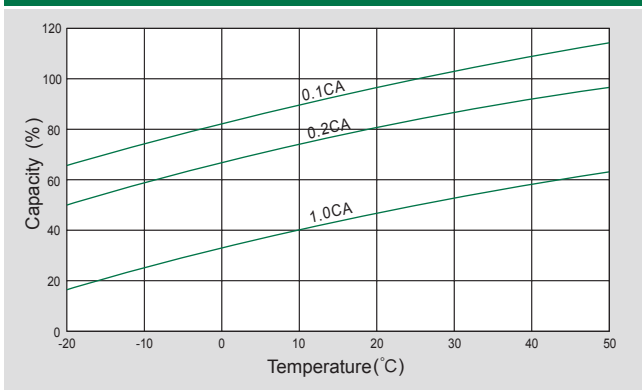
Cycle Life in Relation to Depth of Discharge



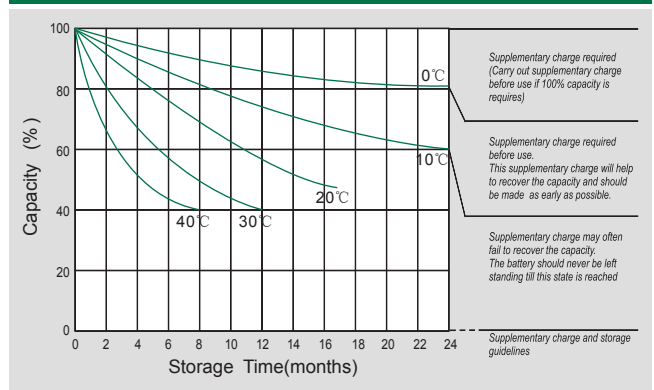
Relationship Between Charging Voltage and Temperature



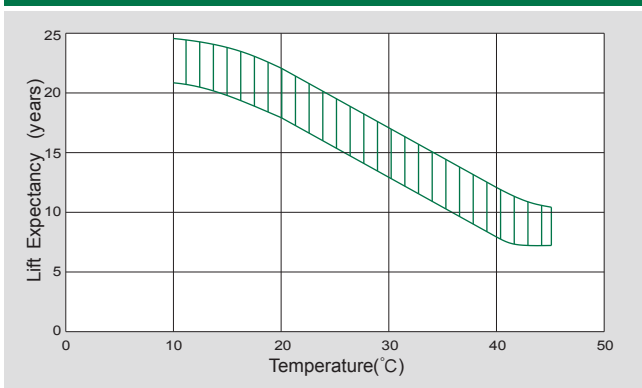
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



Relationship of OCV And State of Charge(20°C)

