

GEL 2V 800Ah



Specification

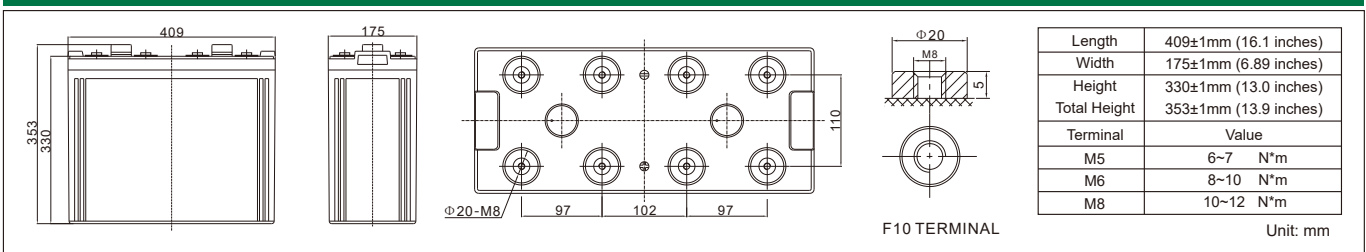
Cells Per Unit	1
Voltage Per Unit	2
Capacity	800Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 50.0 Kg (Tolerance±1.5%)
Internal Resistance	Approx. 0.6 mΩ
Terminal	F10(M8)
Max. Discharge Current	3200A (5 sec)
Design Life	20 years (floating charge)
Maximum Charging Current	160.0A
Reference Capacity	C3 624.0AH C5 692.0AH C10 800.0AH C20 848.0AH
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)

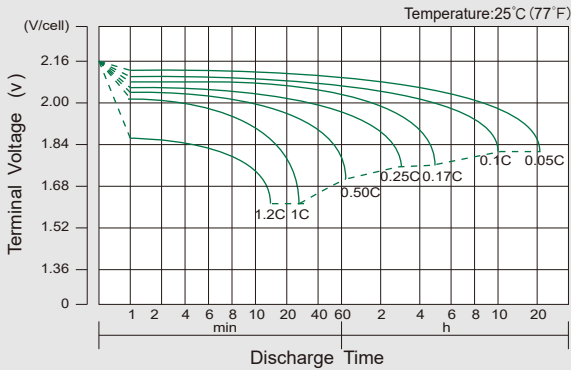
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	1010	782.4	523.2	320.8	234.4	180.0	144.0	106.4	83.2	44.8
1.65V	960.8	751.2	516.8	309.6	224.8	176.0	142.4	101.6	82.4	44.0
1.70V	896.0	708.0	507.2	304.8	219.2	172.0	140.0	100.0	81.6	43.2
1.75V	795.2	636.8	466.4	288.0	208.0	166.4	138.4	96.8	80.8	42.4
1.80V	684.8	580.0	440.0	274.4	200.0	160.0	136.0	95.2	80.0	41.6
1.85V	579.2	522.4	406.4	259.2	190.4	156.0	128.0	90.4	77.6	39.2

Constant Power Discharge Characteristics : WPC(25°C)

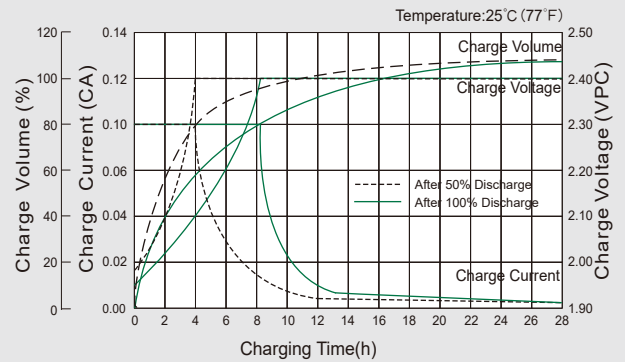
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	1769	1426	974.4	600.8	436.8	316.8	285.6	202.4	165.6	89.6
1.65V	1722	1418	968.8	592.0	428.0	312.0	283.2	200.8	164.0	88.0
1.70V	1627	1342	959.2	583.2	421.6	311.2	280.0	197.6	163.2	86.4
1.75V	1449	1210	900.0	552.8	406.4	295.2	276.0	191.2	161.6	84.8
1.80V	1254	1103	856.0	527.2	389.6	294.4	271.2	188.0	160.0	83.2
1.85V	1070	994.4	793.6	499.2	371.2	272.8	256.0	178.4	155.2	78.4

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

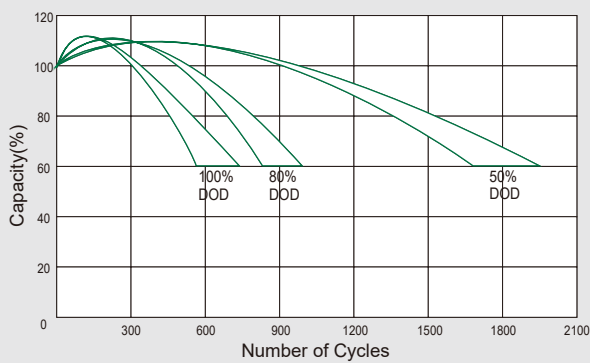
Discharge Characteristics Curve



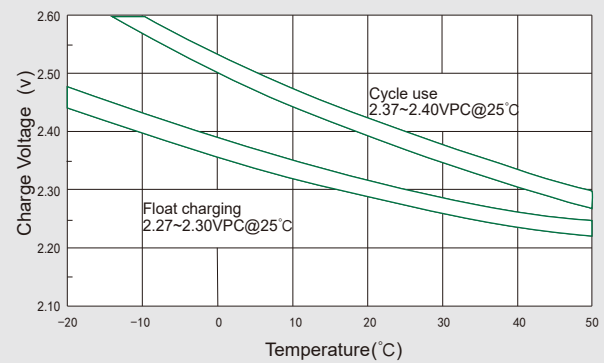
Charge Characteristic Curve for Cycle Use(IU)



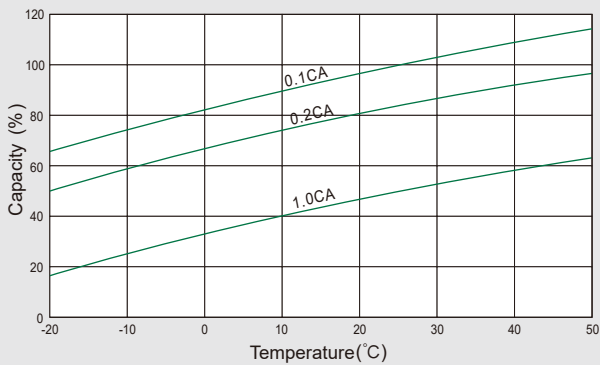
Cycle Life in Relation to Depth of Discharge



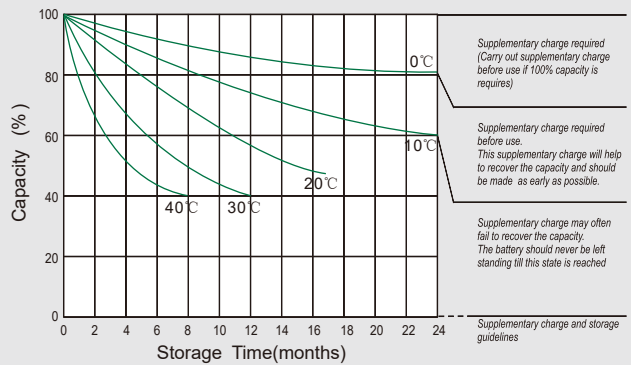
Relationship Between Charging Voltage and Temperature



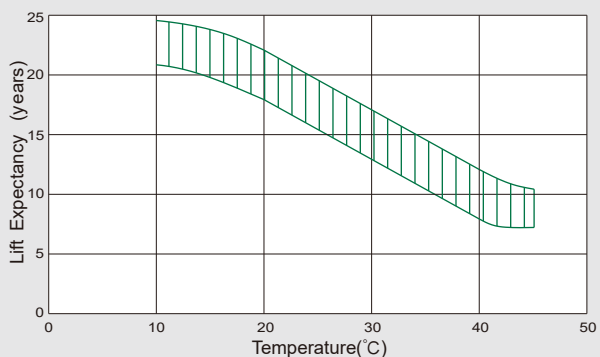
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



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

