

GEL 2V 2000Ah



Specification

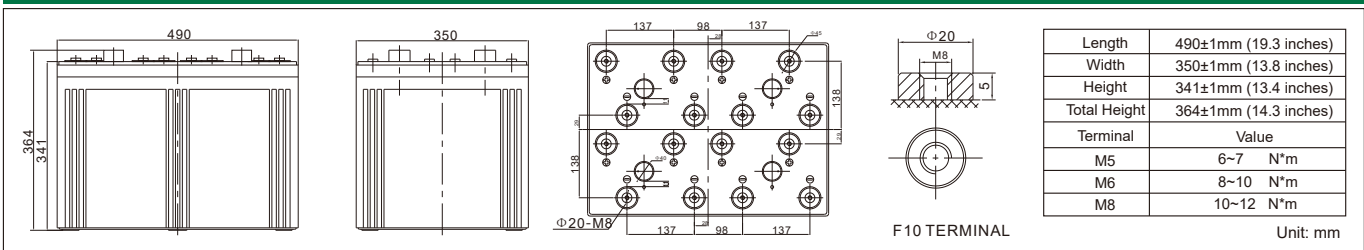
Cells Per Unit	1
Voltage Per Unit	2
Capacity	2000Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 126.5 Kg (Tolerance±1%)
Internal Resistance	Approx. 0.4 mΩ
Terminal	F10(M8)
Max. Discharge Current	7000A (5 sec)
Design Life	20 years (floating charge)
Maximum Charging Current	400.0A
Reference Capacity	C3 1560.0AH C5 1730.0AH C10 2000.0AH C20 2120.0AH
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)

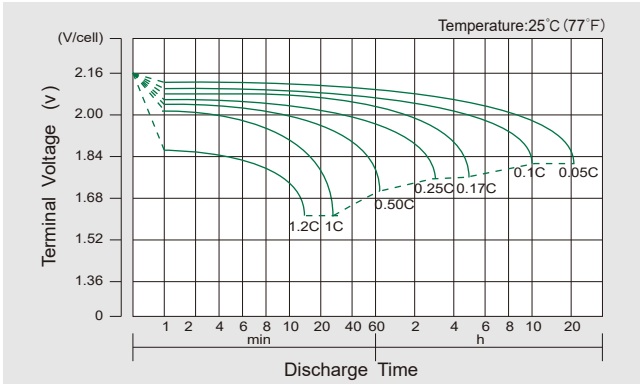
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	2526	1956	1308	802.0	586.0	450.0	360.0	266.0	208.0	112.0
1.65V	2402	1878	1292	774.0	562.0	440.0	356.0	254.0	206.0	110.0
1.70V	2240	1770	1268	762.0	548.0	430.0	350.0	250.0	204.0	108.0
1.75V	1988	1592	1166	720.0	520.0	416.0	346.0	242.0	202.0	106.0
1.80V	1712	1450	1100	686.0	500.0	400.0	340.0	238.0	200.0	104.0
1.85V	1448	1306	1016	648.0	476.0	390.0	320.0	226.0	194.0	98.0

Constant Power Discharge Characteristics : WPC(25°C)

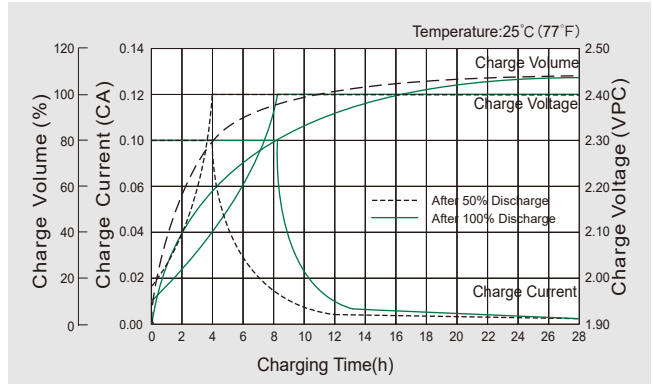
F.V/Time	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	4422	3564	2436	1502	1092	792.0	714.0	506.0	414.0	224.0
1.65V	4306	3544	2422	1480	1070	780.0	708.0	502.0	410.0	220.0
1.70V	4068	3354	2398	1458	1054	778.0	700.0	494.0	408.0	216.0
1.75V	3622	3024	2250	1382	1016	738.0	690.0	478.0	404.0	212.0
1.80V	3136	2758	2140	1318	974.0	736.0	678.0	470.0	400.0	208.0
1.85V	2674	2486	1984	1248	928.0	682.0	640.0	446.0	388.0	196.0

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

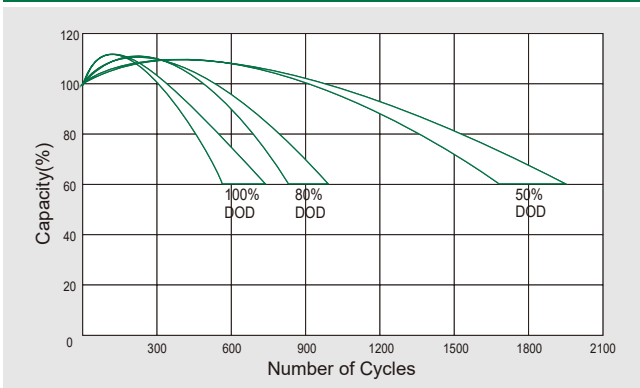
Discharge Characteristics Curve



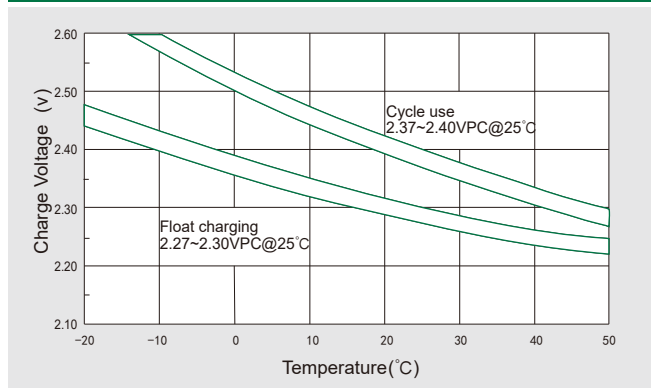
Charge Characteristic Curve for Cycle Use(IU)



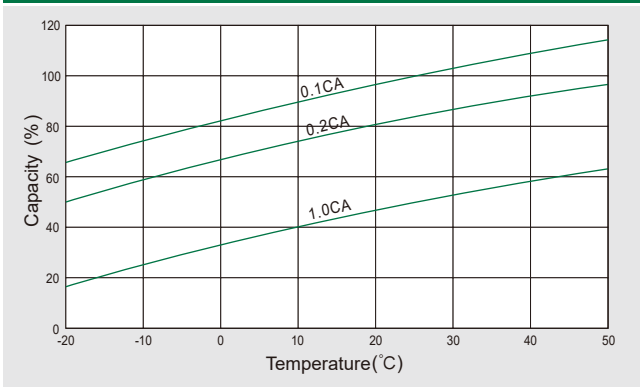
Cycle Life in Relation to Depth of Discharge



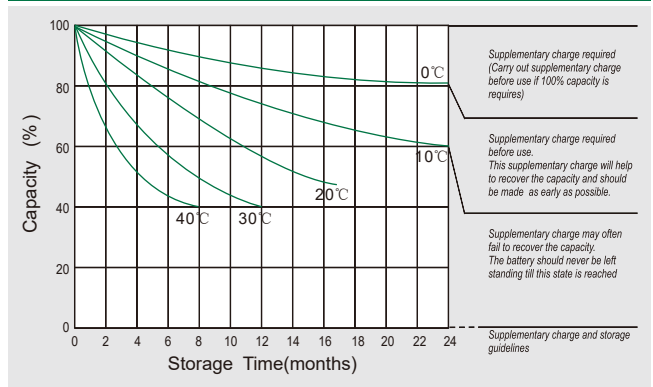
Relationship Between Charging Voltage and Temperature



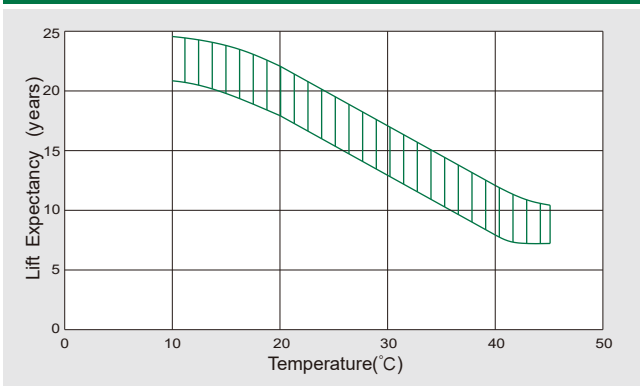
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



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

