

GEL 6-GFM(G)-150Ah



Specification

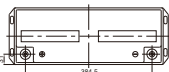
Cells Per Unit	6
Voltage Per Unit	12
Capacity	150Ah@20hr-rate to 1.75V per cell @25°C
Internal Resistance	Approx. 6 mΩ
Terminal	M8
Max. Discharge Current	1500A (5 sec)
Design Life	15 years (floating charge)
Maximum Charging Current	30.0A
Initial Current	45.0A MAX
Reference Capacity	C3 102.3AH
	C5 113.5AH
	C10 130.0AH
	C20 150.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C
	Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.5 V~14.9 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



F12 Terminal

Length	483±1mm (19.0 inches)
Width	170±1mm (6.69 inches)
Height	241±1mm (9.49 inches)
Total Height	241±1mm (9.49 inches)
Terminal	Value
M5	6~7 N°m
M6	8~10 N°m
M8	10~12 N°m

Unit: mm

Constant Current Discharge Characteristics : A[25°C]

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	255.7	205.2	137.5	83.8	50.2	34.7	28.4	23.3	16.0	13.5	8.25
1.65V	243.3	201.0	136.4	83.5	49.8	34.5	28.3	23.1	15.9	13.4	7.95
1.70V	234.7	197.9	135.5	82.7	49.4	34.3	28.2	23.0	15.8	13.3	7.73
1.75V	219.1	190.6	133.4	81.9	49.0	34.1	27.9	22.7	15.6	13.2	7.50
1.80V	202.2	177.7	128.8	80.0	48.2	33.2	27.2	22.3	15.4	13.0	7.05
1.85V	182.8	161.3	121.8	76.0	46.0	31.8	25.9	21.3	14.7	12.6	6.75

Constant Power Discharge Characteristics : WPC[25°C]

F.V/Time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	454	376	261	161	98.6	68.8	56.5	46.3	31.9	27.0	14.6
1.65V	440	370	258	161	98.0	68.8	56.4	46.1	31.7	26.8	14.3
1.70V	428	366	259	160	97.4	68.5	56.3	46.0	31.5	26.6	14.1
1.75V	404	353	255	158	96.7	68.2	55.7	45.4	31.3	26.3	13.8
1.80V	376	330	247	155	95.5	66.4	54.5	44.6	30.7	26.1	13.5
1.85V	344	301	234	149	92.0	63.5	51.8	42.7	29.4	25.3	12.7

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

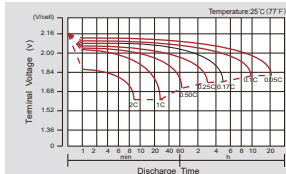


Amosolar Co., Ltd

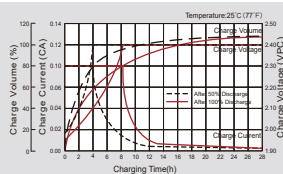
www.amo-solar.com / amosolar.en.alibaba.com info@amo-solar.com



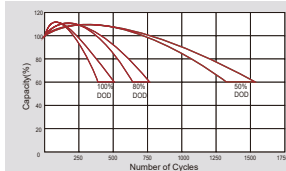
Discharge Characteristics Curve



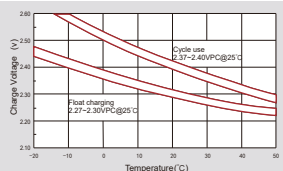
Charge Characteristic Curve for Cycle Use(IU)



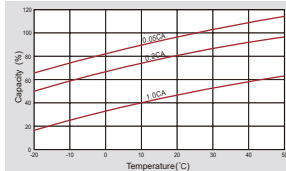
Cycle Life in Relation to Depth of Discharge



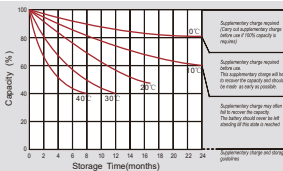
Relationship Between Charging Voltage and Temperature



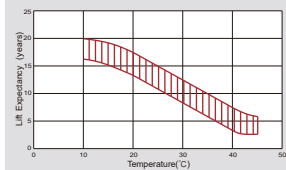
Temperature Effects on Capacity



Storage Characteristics



Effect of Temperature on Long Term Life



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

