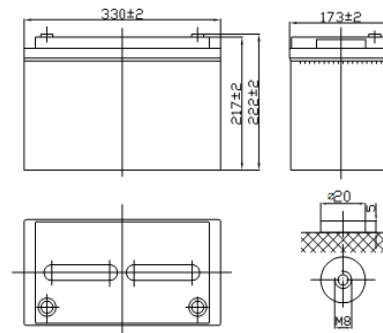


Model: 6-GFM(G)-85Ah 12V85Ah(Gel Battery)

The Sinbright Gel Series batteries use a silica gel to immobilize the electrolyte inside the battery. The silica gel technology delivers maximum cycle life and prolongs life in elevated ambient temperatures. Mainly applications: Communication equipment, Marine equipment, Emergency lighting systems, Control equipment, Electric power systems, Fire and security systems, Solar powered systems, Uninterruptible power supplies, etc.

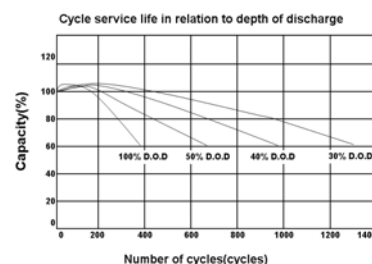
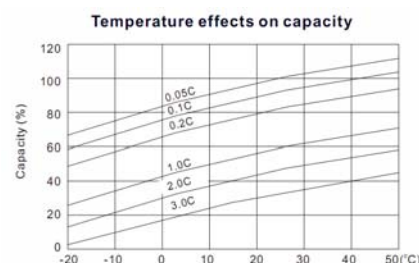
Specification

Nominal Voltage		12V
Capacity(10HR,25℃)		85Ah
Designed Life		10Years
Dimension	Length	330mm
	Width	173mm
	Height	217mm
	Total Height	222mm
Reference Weight		27kg



Charateristics

Capacity 25℃ (77℉) To 1.70V/Cell	20 hr rate	88Ah
	10 hr rate	85Ah
	5 hr rate	72.3Ah
	1 hr rate	46.7Ah
Inner Resistance(fully charged 25℃)		5.5mΩ
Self-discharge (at 25℃.) :		3% of the capacity per month
Discharge Temperature		-20～60℃
Charge Temperature		-10～60℃
Storage Temperature		-20～60℃
Cyclic use (at 25℃)		14.4～14.9V
Initial current (at 25℃)		21.25A
Temperature Compensation		-30mV/℃
Float Use (at 25℃)		13.6-13.8V
Temperature Compensation (at 25℃)		-20mV/℃



Constant-current discharge parameter Unit: A (25°C)

End Point Vol./Cell	5MIN	10MIN	15MIN	30MIN	1H	3H	5H	10H	20H
1.60V	243	178	142	84	51.3	22.4	14.3	9.5	5.1
1.65V	230	170	131	79	49.3	22	14	9.2	4.9
1.70V	214	163	126	77	47.6	21.7	14	8.9	4.7
1.75V	201	157	120	74	46.8	21.5	13.8	8.7	4.6
1.80V	187	151	113	72	45.9	21.3	13.5	8.5	4.5

Constant-current discharge parameter Unit: W (25°C)

End Point Vol./Cell	5MIN	10MIN	15MIN	30MIN	45MIN	1H	2H	3H	5H
1.60V	414	309	247	158	119	94.2	54.1	40.7	26.7
1.65V	402	296	239	150	116.9	93.5	52.9	39.3	26.2
1.70V	373	286	235	145	111.6	89.7	51.3	38.7	25.8
1.75V	352	274	222	142	109.4	88.3	50.7	38.1	25.6
1.80V	334	264	208	139	106.3	84.7	49.2	37.3	25.3



Sunbright Power Co.,Ltd.