



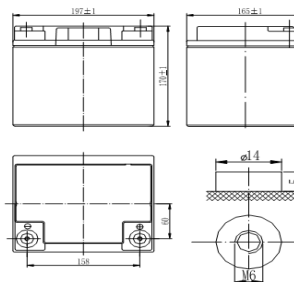
"Green Energy for Life"

Model: 6-FM-40Ah 12V40Ah

We are an ISO9001, ISO14001 certified organization. And the products are approved by CE & UL. The nominal voltage of this series is 12V, the capacity ranges from 33Ah to 200Ah. Their typical applications include: emergency lighting systems, electricity power supply systems, communication systems, UPS systems, starting systems, etc.

Specification

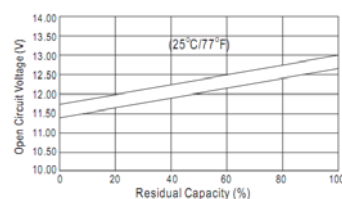
Nominal Voltage		12V
Capacity(10HR,25℃)		40Ah
Designed Life		3-5Years
Dimension	Length	197mm
	Width	165mm
	Height	170mm
	Total Height	170mm
Reference Weight		12.5kg



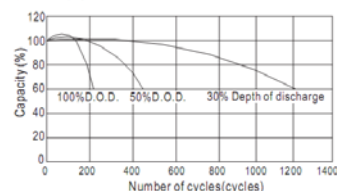
Charateristics

Capacity 25℃ (77 ℃) To 1.75V/Cell	20 hr rate	42Ah
	10 hr rate	40Ah
	5 hr rate	36Ah
	1 hr rate	25Ah
Inner Resistance(fully charged 25℃)		9.5mΩ
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℃)		12A
Temperature Compensation		-30mV/℃
Float Use (at 25℃)		13.6-13.8V
Temperature Compensation (at 25℃)		-20mV/℃

The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



Cycle Life(25°C)



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

End Point Vol./Cell	5MIN	10MIN	15MIN	30MIN	1H	3H	5H	10H	20H
1.60V	125	91	70	40	23	10.2	6.9	3.8	2.0
1.65V	118	87	66	39	22	9.9	6.8	3.8	1.9
1.70V	113	82	63	37	22	9.7	6.6	3.7	1.9
1.75V	105	77	62	36	22	9.5	6.5	3.6	1.9
1.80V	96	70	56	35	21	9.2	6.3	3.6	1.9

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

End Point Vol./Cell	5MIN	10MIN	15MIN	30MIN	45MIN	1H	2H	3H	5H
1.60V	238	168	125	88	67	53	30	22	14
1.65V	221	155	122	79	61	49	28	21	13
1.70V	204	147	118	76	58	48	27	20	13
1.75V	188	141	114	74	56	47	26	20	13
1.80V	177	133	110	71	55	46	26	19	13



Sunbright Power Co.,Ltd.

