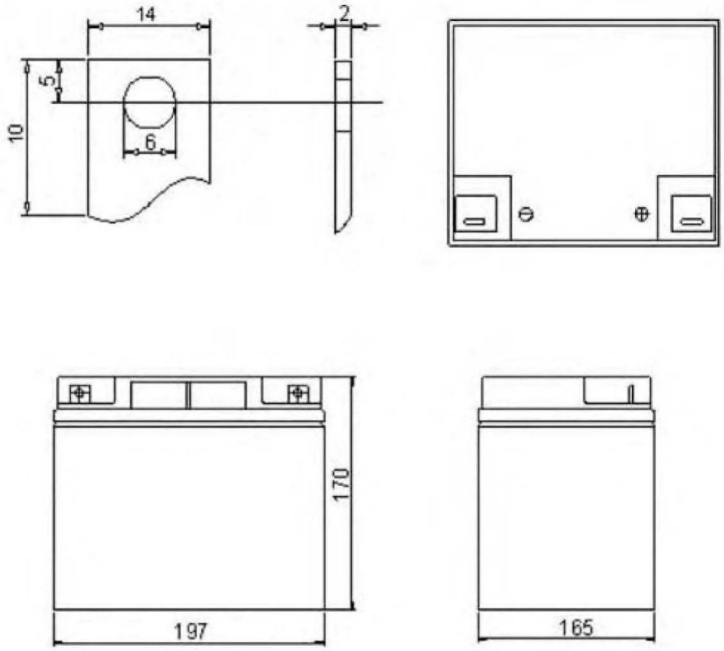
41240 - 6FM40G



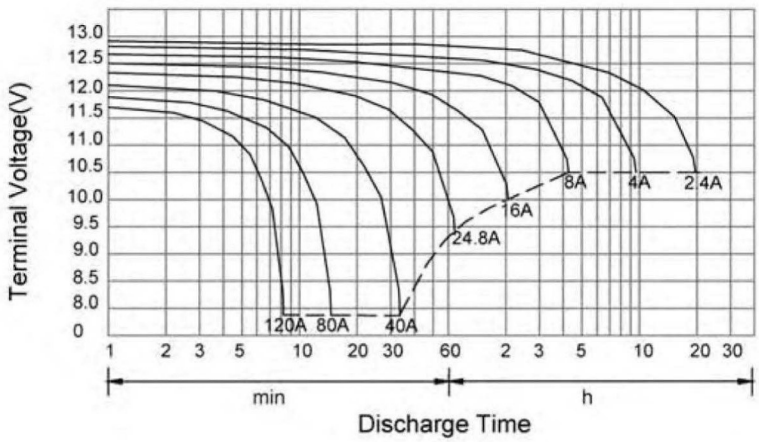
• Specifications

Nominal Voltage		12V
Rated Capacity		40Ah
Dimensions	Total Height	6.69 inches (170mm)
	Height	6.69inches (170mm)
	Length	7.78inches (197mm)
	Width	6.50inches (165mm)
Approximate Weight		13.2 kg

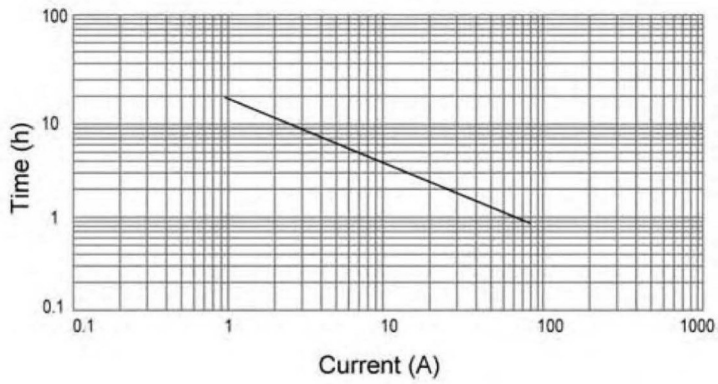
• Characteristic

Capacity 77°F(25°C)	20h rate (2.0A)	40Ah
	10h rate (3.72A)	3.72Ah
	5h rate (6.40A)	32Ah
	1h rate(24.8A)	24.8Ah
	15 min rate (70.4A)	17.6Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	8.5mΩ
Capacity Affected by Temperature (20h rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 68°F(20°C) (Capacity after)	3 month storage	90%
	6 month storage	80%
	12 month storage	60%
Max. Discharge Current 77°F(25°C)	400A(5s)	
Terminal	T	
Charge (Constant Voltage,25°C)	Cycle	14.4~14.7V(-24mV/°C) max. current:12A
	Float	13.6~13.8V(-18mV/°C)

DISCHARGE CHARACTERISTICS AT 25°C(77° F)*

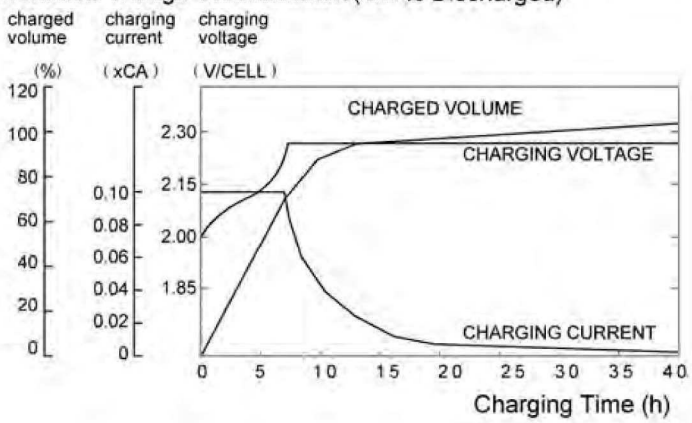


DISCHARGE CURRENT V'S TIME 25° C(77° F)

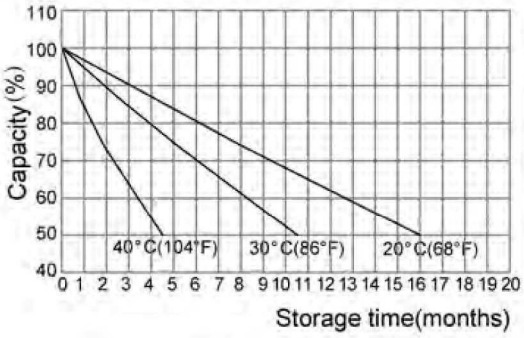


*The above data are of average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.

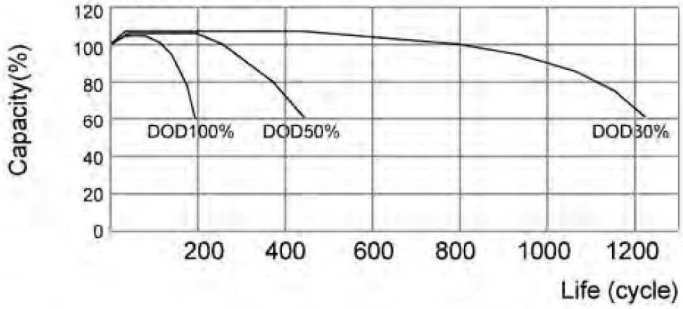
Constant-Voltage Characteristic (100% Discharged)



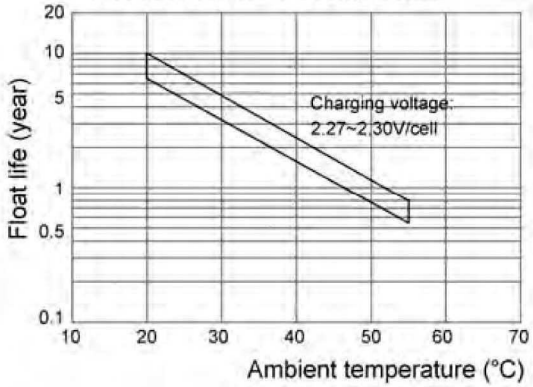
Self Discharge Characteristic



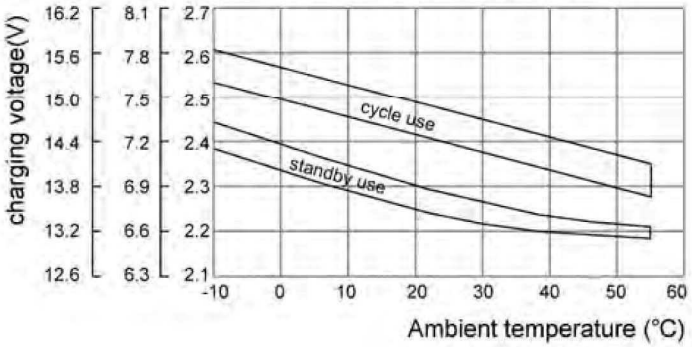
Cycle service life



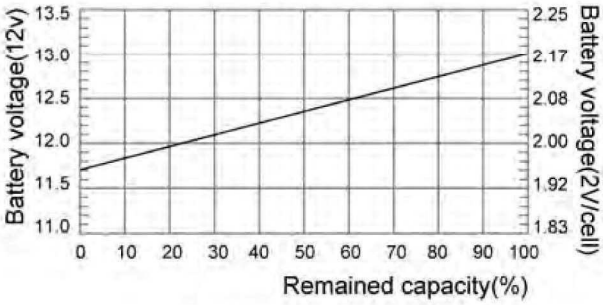
Float service life V'S temperature



Charging voltage V'S temperature



Open circuit voltage and remaining capacity
(At 20°C)



Constant Current Discharge Data Sheet (Amperes at 25℃)

End Voltage/cell	Minute (M)				Hour (H)					
	5	10	20	45	1	2	4	8	10	20
1.70	151	98.4	55.0	28.5	24.5	13.5	8.27	4.69	3.88	2.08
1.75	150	97.4	54.4	28.2	24.4	13.1	8.11	4.65	3.84	2.06
1.80	148	96.5	53.9	28.0	24.2	12.5	7.87	4.60	3.80	2.04

Constant Power Discharge Data Sheet (Watt at 25℃)

End Voltage/cell	Minute (M)				Hour (H)					
	5	10	20	45	1	2	4	8	10	20
1.70	1812	1181	660	342	294	162	99.2	56.3	46.2	24.8
1.75	1800	1169	653	338	293	157	97.3	55.8	45.7	24.5
1.80	1776	1158	647	336	290	150	94.4	55.2	45.2	24.3