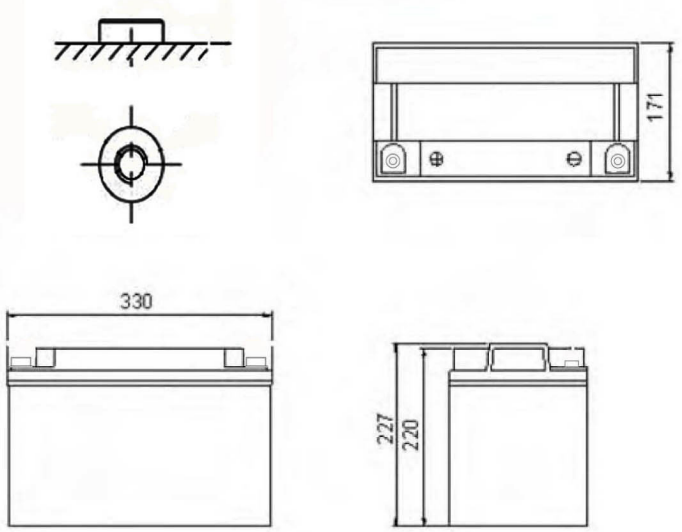
41300/1 - 6FM100G/C



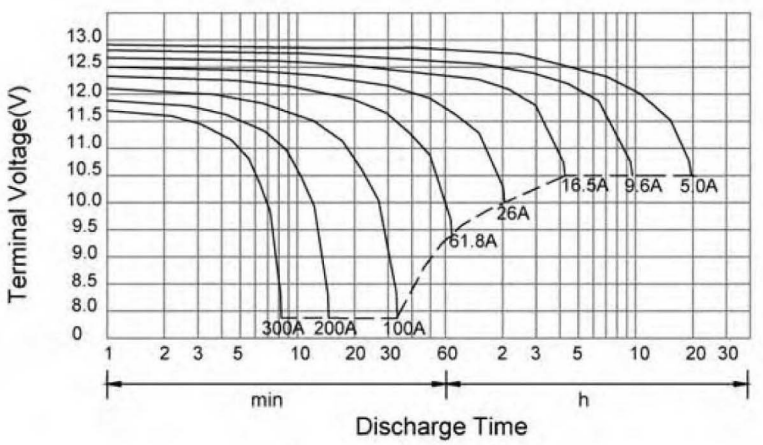
• Specifications

Nominal Voltage		12V
Rated Capacity		100Ah
Dimensions	Total Height	8.94inches (227mm)
	Height	8.66inches (220mm)
	Length	13.00inches (330mm)
	Width	6.73inches (171mm)
Approximate Weight		66.1lbs. (30.0kg)

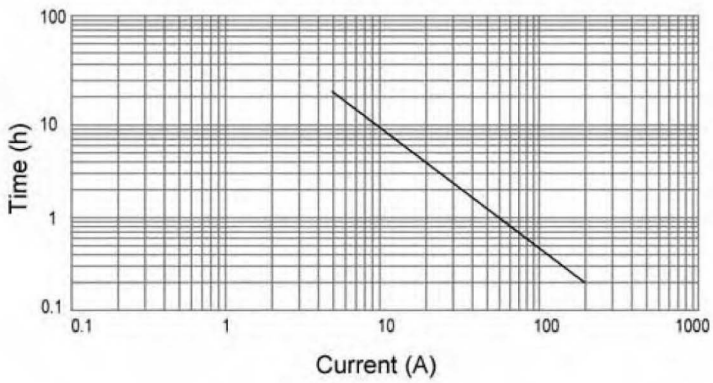
• Characteristic

Capacity 77°F(25°C)	20h rate (5.00A)	100Ah
	10h rate (9.60A)	96.0Ah
	5h rate (16.5A)	82.5Ah
	1h rate(61.8A)	61.8Ah
	15 min rate (175A)	43.75Ah
Internal Resistance	Full Charged Battery 77°F(25°C)	4.5mΩ
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)	800A(5s)	
Terminal	M8	
Charge (Constant Voltage,25°C)	Cycle	14.4~14.7V(-24mV/°C) max. current:30A
	Float	13.6~13.8V(-18mV/°C)

DISCHARGE CHARACTERISTICS AT 25°C(77° F)

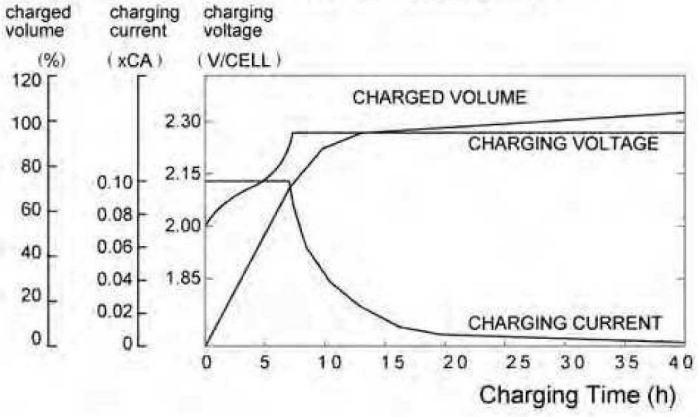


DISCHARGE CURRENT V'S TIME 25° C(77° F)

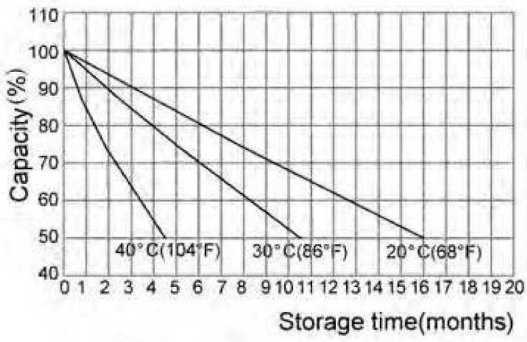


*The above data are of average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.

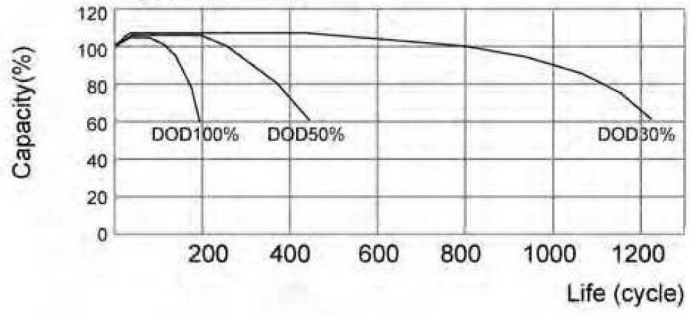
Constant-Voltage Characteristic (100% Discharged)



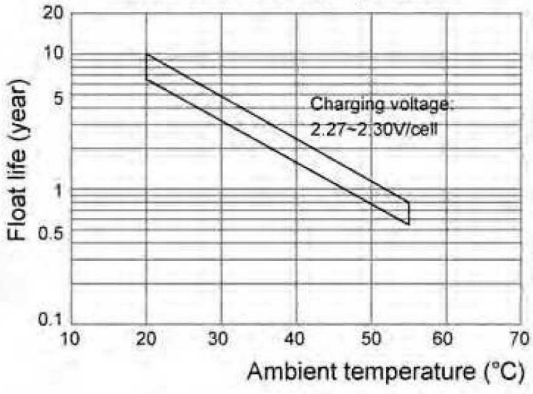
Self Discharge Characteristic



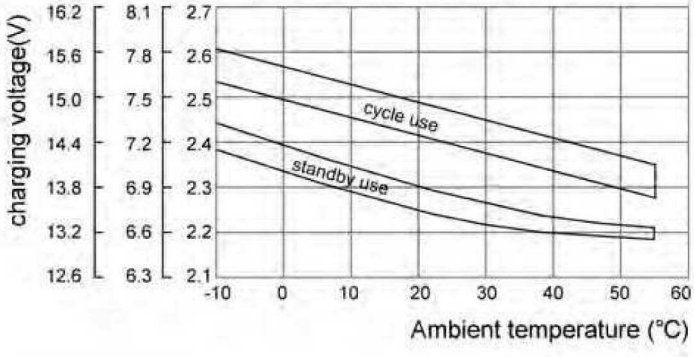
Cycle service life



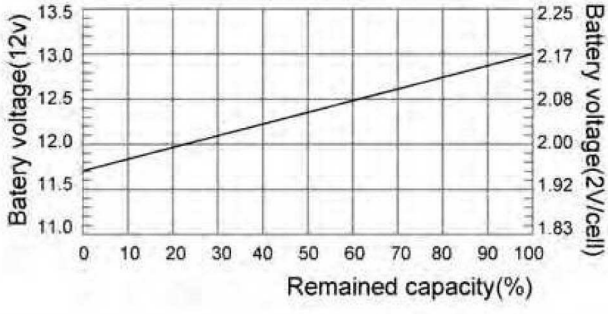
Float service life V'S temperature



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	228	176	145	75.1	60.0	38.2	21.8	12.3	10.2	5.51
1.75	226	174	143	74.4	59.6	37.1	20.7	12.2	10.1	5.45
1.80	224	173	142	73.6	57.3	35.3	20.1	12.1	10.0	5.40

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	2736	2112	1740	900	720	458	262	148	121	65.6
1.75	2712	2088	1716	893	715	445	248	146	120	64.9
1.80	2688	2076	1704	883	688	424	241	145	119	64.3