

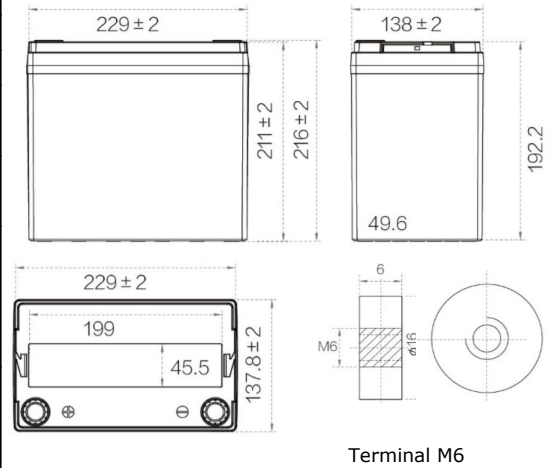
GEL SERIES 6GFMJ50(12V50AH/10HR)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	50AH	
Dimension	Length	230±2mm(9.06inch)
	Width	137±2mm(5.39inch)
	Height	210±2mm(8.27inch)
	Total Height	215±2mm(8.46inch)
Approx Weight	Approx. 16.0kg(+ -4%)	
Terminal Type	B4	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.24.0mΩ	
Rated Capacity	52.40AH	(20hr, 1.70V/cell,25°C/77°F)
	50.00AH	(10hr, 1.75V/cell,25°C/77°F)
	43.65AH	(5hr, 1.75V/cell,25°C/77°F)
	39.24AH	(3hr, 1.60V/cell,25°C/77°F)
	26.97AH	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	600A(5S)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Charge Current Less Than 0.25CA	
	14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C	
Floating Use	No limit on Initial Charging Current Voltage	
	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge	3 month	Remaining capacity: 91%
	6 month	Remaining capacity:82%
	12month	Remaining capacity:65%



Dimensions



Constant Power Discharge at 25°C(77°F)

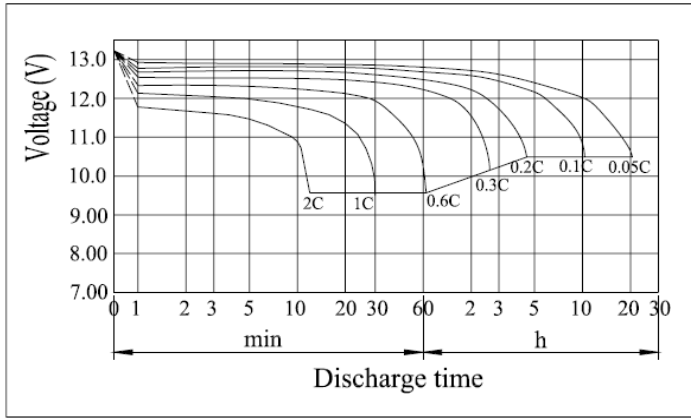
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	300,4	204,4	139,9	85,1	52,1	32,5	25,3	19,9	16,9	11,3	9,7	5,07
1.75V/cell	303,0	206,1	141,1	85,8	52,6	32,8	25,5	20,1	17,0	11,4	9,9	5,15
1.70V/cell	310,5	211,2	144,7	88,0	53,9	33,6	26,1	20,6	17,4	11,7	10,0	5,23
1.67V/cell	318,1	216,4	148,2	90,1	55,2	34,5	26,8	21,1	17,9	11,9	10,1	5,30
1.60V/cell	332,3	226,1	154,8	94,1	57,7	36,0	28,0	22,0	18,7	12,5	10,3	5,38

Constant Current Discharge at 25°C(77°F)

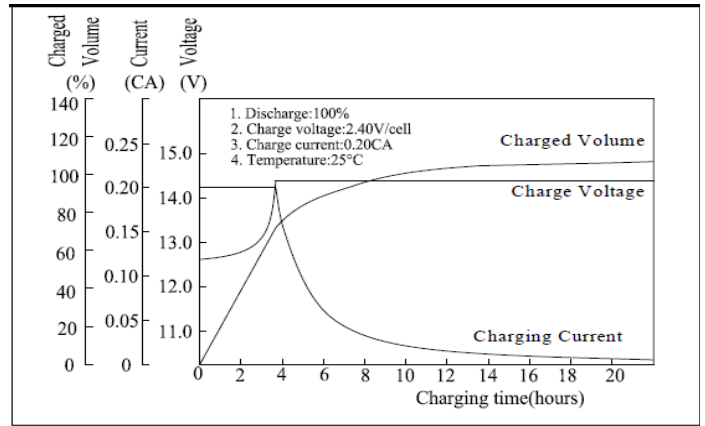
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	154,0	104,8	71,8	43,6	26,7	16,7	13,0	10,2	8,65	5,78	4,93	2,58
1.75V/cell	155,3	105,7	72,4	44,0	27,0	16,8	13,1	10,3	8,73	5,83	5,00	2,62
1.70V/cell	159,2	108,3	74,2	45,1	27,6	17,3	13,4	10,5	8,95	5,97	5,07	2,66
1.67V/cell	163,1	111,0	76,0	46,2	28,3	17,7	13,7	10,8	9,15	6,12	5,15	2,70
1.60V/cell	170,3	115,9	79,4	48,3	29,6	18,5	14,3	11,3	9,56	6,39	5,22	2,73

GEL SERIES 6GFMJ50(12V50AH/10HR)

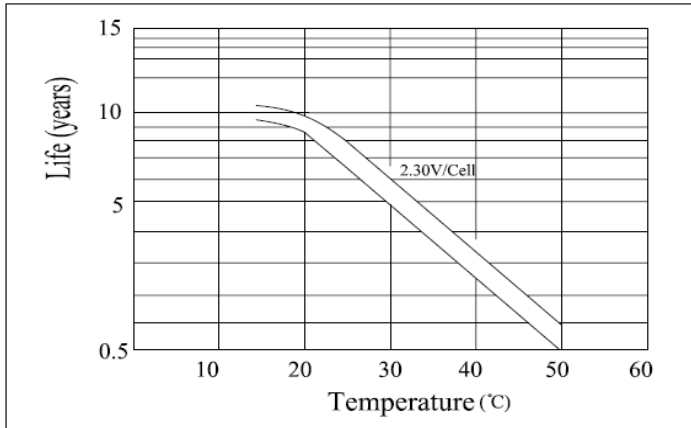
Discharge Characteristics



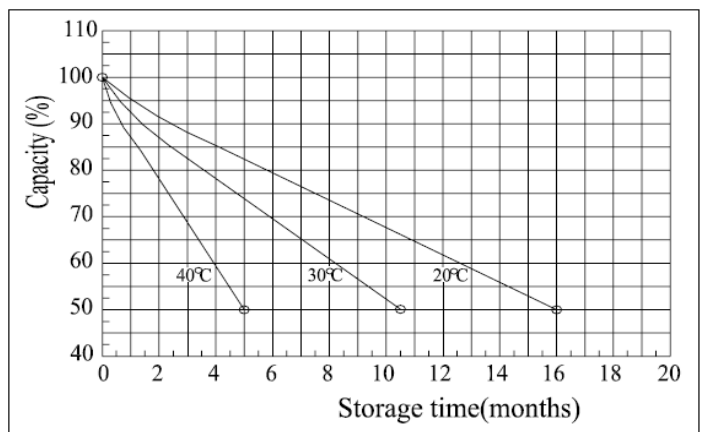
Float Charging Characteristics



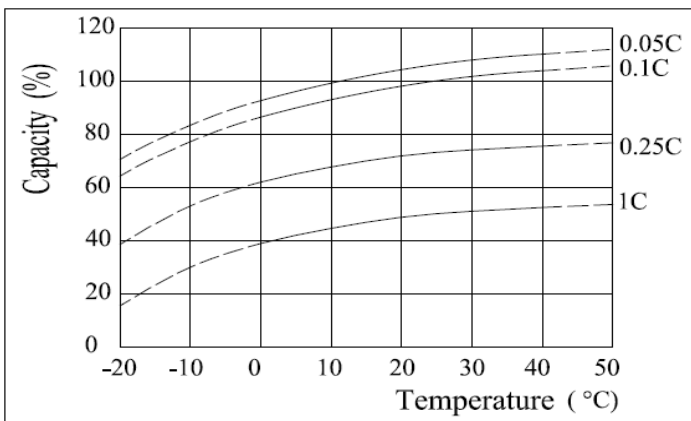
Floating Life on Temperature



Self Discharge Characteristics (25°C(77°F))



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

