

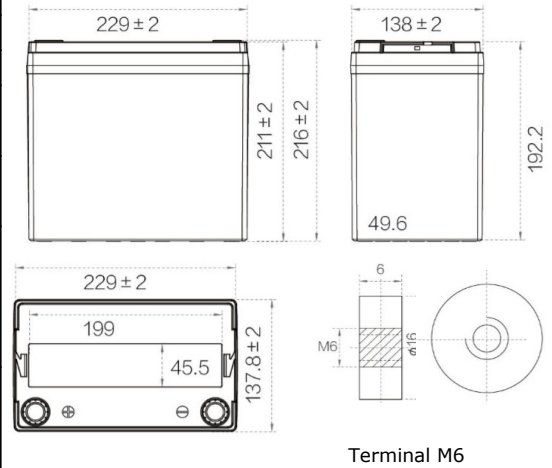
GEL SERIES 6GFMJ55(12V55AH/10HR)

Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	55AH	
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. 16.5kg(+4%)	
Terminal Type	B4	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx.24.0mΩ	
Rated Capacity	58.00AH	(20hr, 1.70V/cell,25°C/77°F)
	55.00AH	(10hr, 1.75V/cell,25°C/77°F)
	48.00AH	(5hr, 1.75V/cell,25°C/77°F)
	41.50AH	(3hr, 1.60V/cell,25°C/77°F)
	32.00AH	(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)

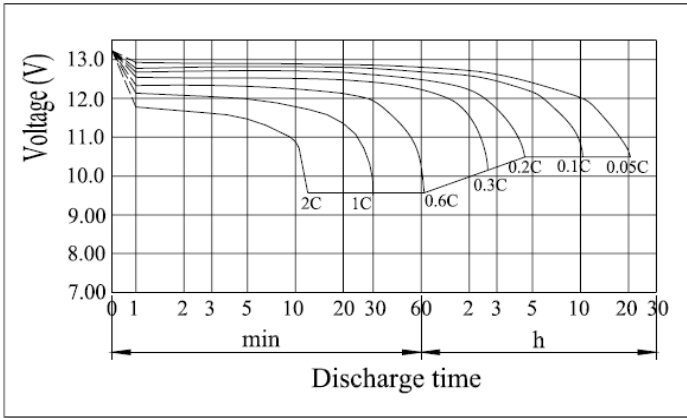
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	279,1	222,7	161,1	106,2	66,1	38,5	27,8	20,8	18,5	16,6	10,43	5,76
1.75V/cell	286,3	228,4	170,4	108,7	66,6	38,5	27,8	21,3	18,7	17,1	10,54	5,79
1.70V/cell	289,5	231,0	171,4	109,2	67,2	38,8	28,1	21,6	18,8	17,2	10,65	5,81
1.67V/cell	292,7	233,5	173,6	109,2	67,7	39,0	28,1	21,8	19,0	17,4	10,76	5,84
1.60V/cell	295,9	236,1	176,6	110,3	68,3	39,0	28,4	22,0	19,1	17,6	10,87	5,87

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

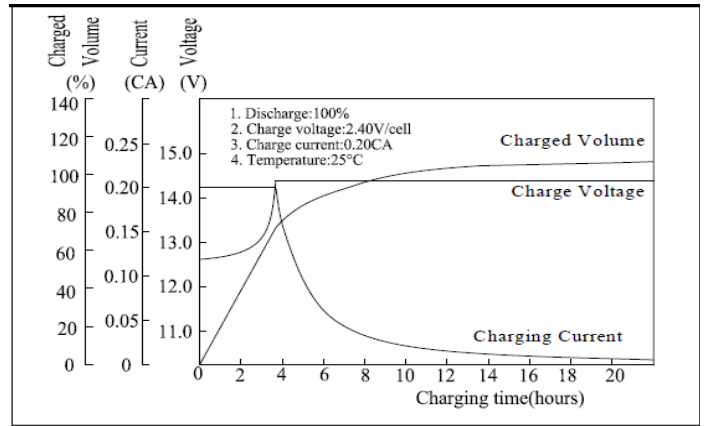
F.V/Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	6h	10h	20h
1.80V/cell	139,5	112,8	85,7	56,0	34,1	19,7	14,4	10,5	9,50	8,37	5,46	2,89
1.75V/cell	143,1	115,7	92,0	58,4	34,9	20,1	14,5	10,8	9,75	8,59	5,49	2,92
1.70V/cell	144,7	117,0	95,0	59,0	35,5	20,4	14,6	10,9	9,86	8,68	5,54	2,92
1.67V/cell	146,4	118,3	97,2	60,1	35,8	20,6	14,9	11,1	9,96	8,78	5,60	2,95
1.60V/cell	148,0	119,6	100,2	60,9	36,0	20,7	15,0	11,2	10,07	8,88	5,65	2,98

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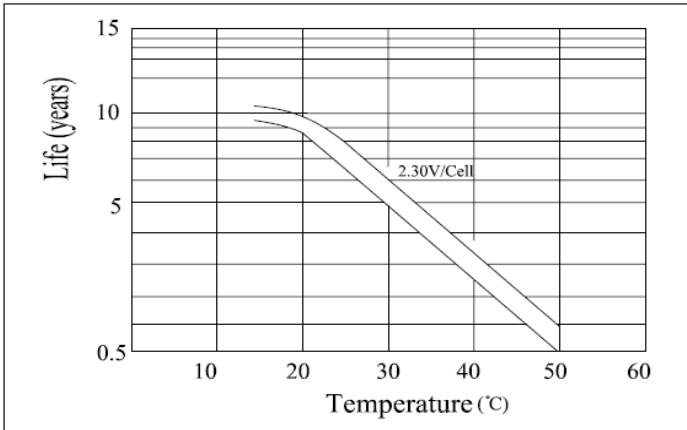
Discharge Characteristics



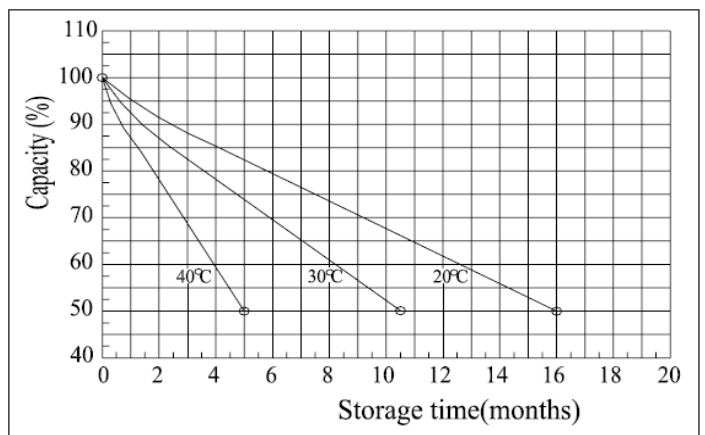
Float Charging Characteristics



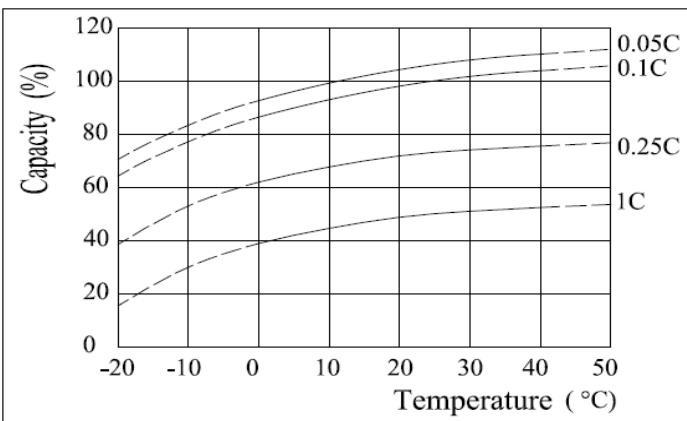
Floating Life on Temperature



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



Temperature Effects in Relation to Battery Capacity



Cycle Life Relation to Depth of Discharge

