

6-FM-55



Specification

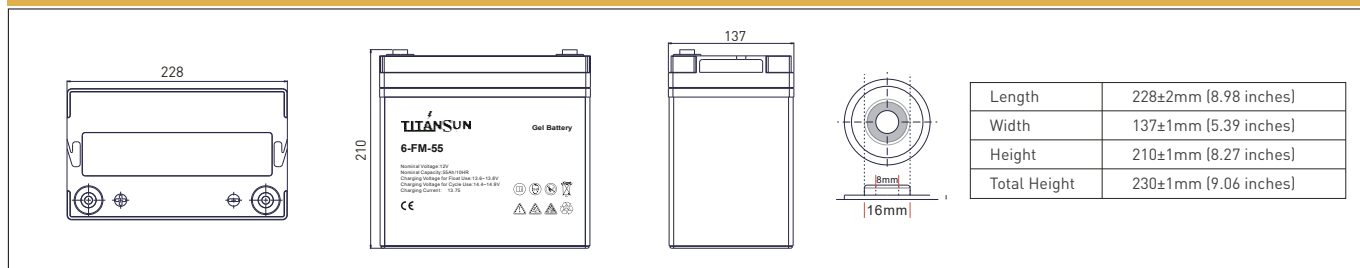
Rated Voltage	12V
Numbers of cells	6 Cells
Capacity	55Ah@10hr-rate to 1.80V per cell @25°C
Weight	14.5kg
Internal Resistance	Approx. 7.5 mΩ
Terminal	F6
Max. Discharge Current	660A(5s)
Short Circuit Current	2750A
Max. Charging Current	13.75A
Reference Capacity	C10 55.0AH
	C3 43.7AH
	C1 35.5AH
Design Life	10~15 years
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -20mV/°C/Cell
Cycle Use Voltage	14.4 V~14.9 V @ 25°C Temperature Compensation: -30mV/°C/Cell
Operating Temperature Range	Discharge: -15°C~50°C Charge: 0°C~40°C Storage: -15°C~40°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	Less than 3% at 25°C per month
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.



Features

- Maintenance free
- Safety and no leakage
- Excellent recharge and discharge performance
- Low self-discharge rate
- Adapt to high or low temperature
- Good deep discharge performance
- Longer cycle life

Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	10min	20min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.80V/cell	102.90	70.00	42.60	39.40	30.80	18.60	14.30	9.40	6.61	5.50	2.95
1.75V/cell	113.10	75.30	50.30	40.80	32.20	19.30	14.60	9.65	6.73	5.56	2.98
1.70V/cell	123.20	79.10	52.20	42.50	33.20	20.10	15.00	9.89	6.82	5.61	3.03
1.65V/cell	133.00	84.10	54.30	43.50	34.30	20.60	15.60	10.20	6.93	5.73	3.07
1.60V/cell	144.40	89.50	60.50	45.40	35.50	21.30	16.10	10.50	6.99	5.79	3.09

Constant Power Discharge Characteristics : WPC(25°C)

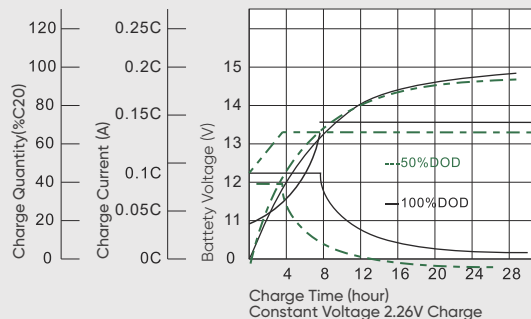
F.V/Time	10min	20min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.80V/cell	189.40	131.40	95.40	75.50	59.40	36.10	27.80	18.40	13.10	10.90	5.89
1.75V/cell	205.60	140.10	98.60	78.00	61.90	37.30	28.30	18.90	13.30	11.00	5.94
1.70V/cell	220.90	146.40	102.20	80.90	63.70	38.70	29.00	19.30	13.50	11.10	6.04
1.65V/cell	236.70	154.80	107.30	82.60	65.60	39.60	30.10	19.80	13.60	11.30	6.11
1.60V/cell	252.60	163.20	112.20	85.30	67.40	40.70	30.90	20.30	13.80	11.40	6.14

Note: The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

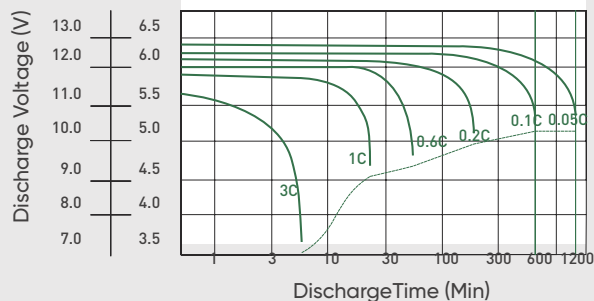
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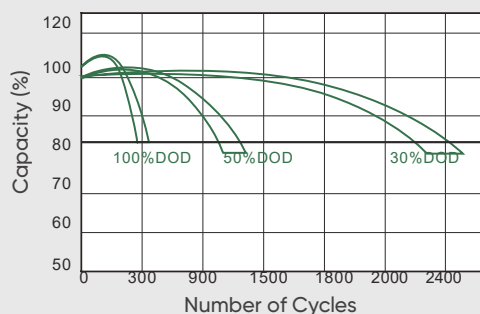
Charge Characteristics for Float Use @ 25°C/77°F



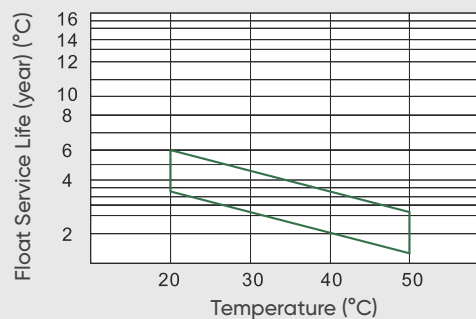
Discharge Characteristics at Various Rates @ 25°C/77°F



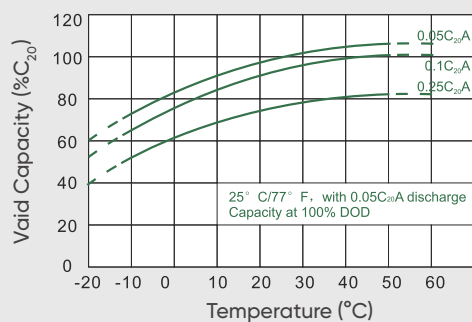
Cycle Life in Relation to Depth of Discharge



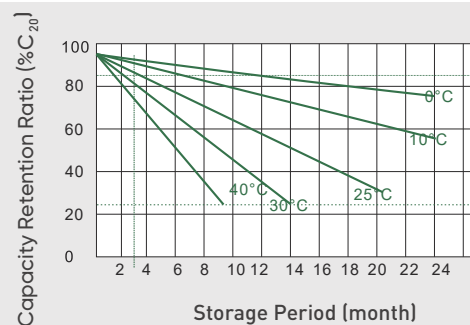
Float Service Life



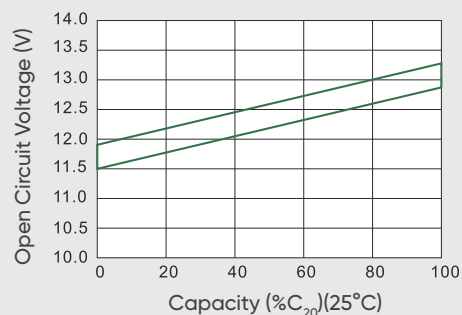
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

