6FM26 (12V26.0Ah)

6FM26 is a general purpose battery with 5 years life in standby service, or more than 260 cycles at 100% D.O.D by cyclic use. As with all QiangJun batteries, all FM models are rechargeable, highly efficient, leak proof and maintenance free.

Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	26.0Ah@20hr-rate to 1.75V per cell @25°C
Weight	Approx. 8.6 Kg
Max. Discharge Current	260 A (5 sec)
Internal Resistance	Approx. 10 mΩ
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C St orage: -20°C~60°C
Normal Operating Temperature Range	25°C±5°C
Float charging Voltage	13.6 to 13.8 VDC/unit Average at 25°C
Recommended Maximum Charging Current Limit	7.8 A
Equalization and Cycle Service	14.4 to 15.0 VDC/unit Average at 25°C
Self Discharge	QiangJun batteries can be stored for more than 6 month at 25°C. Please charge batteries before using. Forhigher temperature, the time interval will be shorter.
Terminal	Faston F3/F13
Constainer Material	A.B.S. (UL94-HB) Flammability resistance of UL94-V2 can be available upon request.

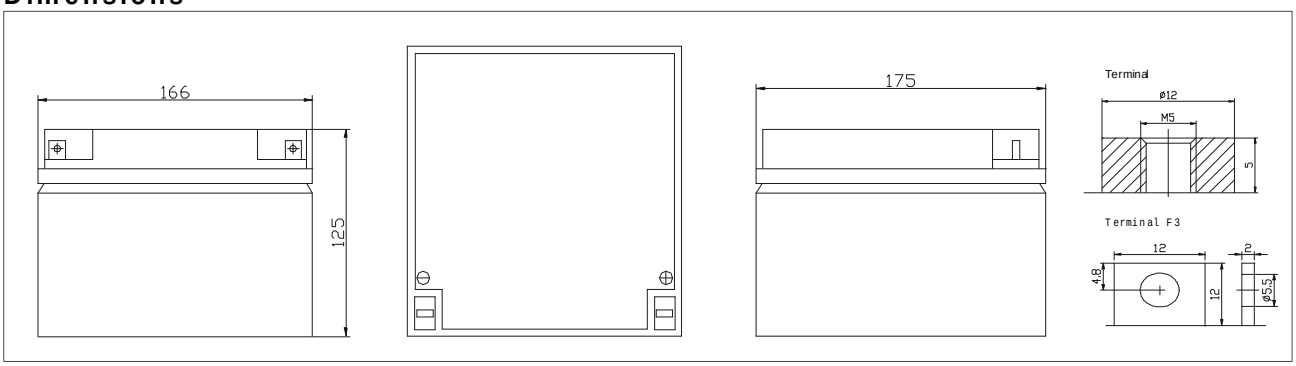
MH28539

04M20206-0910-E-16

EMC tested

ISO9001:2000 Certificate

Dimensions



Constant Current Discharge Characteristics Unit: A(25°C)

F.V/Time	5MIN	10MIN	15MIN		1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	108	72.2	55.5	30.5	18.0	10.8	6.66	5.46	4.39	3.22	2.55	1.43
1.67V	101	67.3	52.1	30.0	17.9	10.7	6.63	5.43	4.37	3.22	2.52	1.38
1.70V	95.6	65.2	50.9	29.8	17.8	10.7	6.60	5.41	4.34	3.22	2.50	1.35
1.75V	86.3	61.0	48.3	29.1	17.6	10.6	6.58	5.38	4.32	3.22	2.47	1.30
1.80V	77.1	56.9	45.6	28.4	17.3	10.4	6.53	5.36	4.29	3.20	2.42	1.25
1.85V	67.9	52.7	43.0	27.7	17.1	10.2	6.47	5.33	4.26	3.20	2.39	1.22

Constant Power Discharge Characteristics Unit: W(25°C)

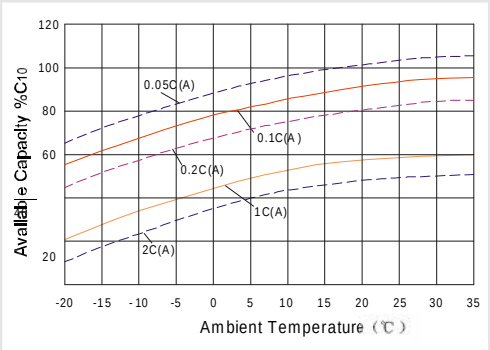
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	208	135	110	61.0	36.1	21.6	13.3	10.9	10.3	6.47	5.07	2.83
1.67V	195	130	104	60.0	36.0	21.5	13.3	10.8	10.2	6.47	5.02	2.73
1.70V	191	126	102	59.6	35.9	21.4	13.2	10.8	10.2	6.42	4.97	2.68
1.75V	173	121	96.5	58.2	35.3	21.1	13.2	10.8	10.2	6.40	4.91	2.57
1.80V	154	113	91.2	56.8	34.7	20.8	13.1	10.7	10.2	6.37	4.84	2.50
1.85V	136	105	85.9	55.4	34.1	20.5	12.9	10.6	10.1	6.37	4.76	2.42

All mentioned values are average values.

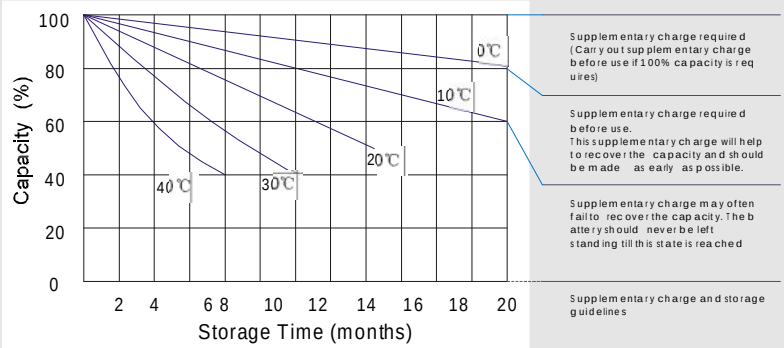
6FM26

12V26.0Ah

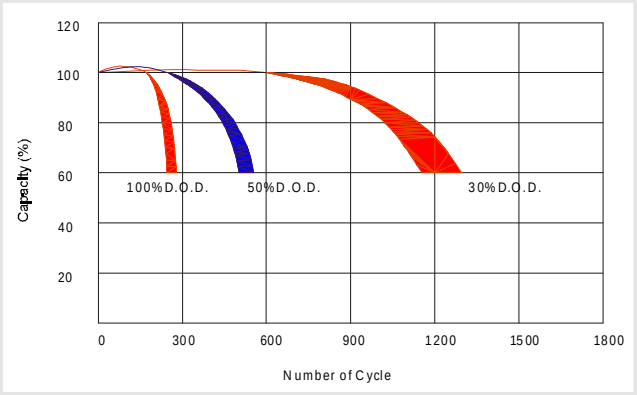
Temperature effects curve



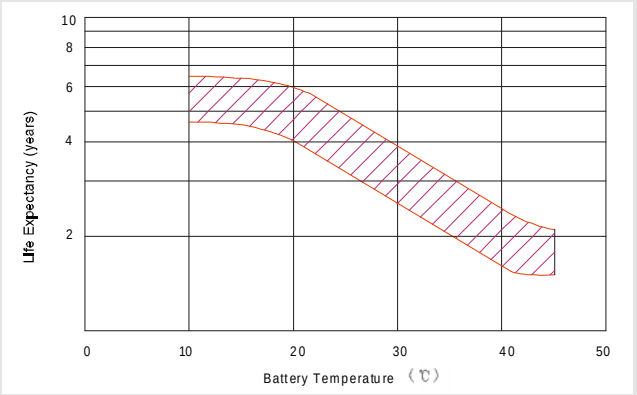
Storage characteristic



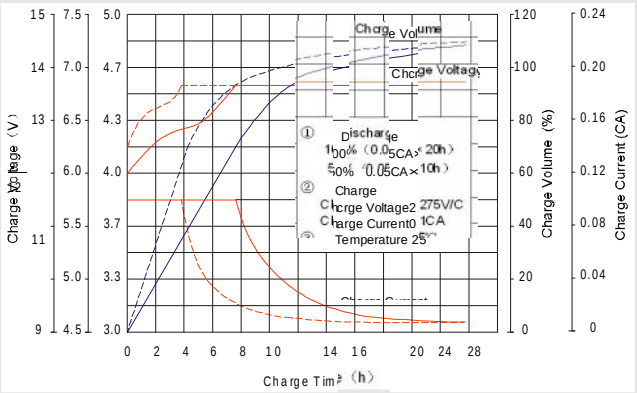
Life characteristics of cyclic use



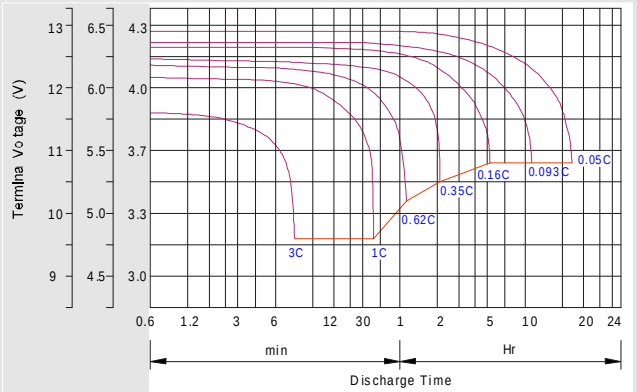
Effect of Temperature on long term float life



Charge characteristic curve for standby use



Discharge characteristic curve



Charging Procedures

Application	Charge Voltage (V)			Max. Charge Current
	Temperature	Set point	Allowable range	
Cycle Use	25°C	14.7	14.4~15.0	0.3C
Standby	25°C	13.7	13.6~13.8	0.3C

Charge the batteries at least once every six months, if they are stored at 25°C.

Charging Method:

Constant Voltage	-0.2Cx2h +14.4~15.0V,24h,Max. Current 0.3CA
Constant Current	-0.2Cx2h +0.1CAx12h
Fast	-0.2Cx2h +0.3CAx4h

Discharge Current VS. Discharge Voltage

Final Discharge Voltage V/cell	1.75V	1.70V	1.60V
Discharge Current (A)	(A) ≤0.2C	0.2C < (A) <	(A) ≥1.0C

Charging Procedures(6V series)

Application	Charge Voltage (V)			Max. Charge Current
	Temperature	Set point	Allowable range	
Cycle Use	25°C	7.35	7.25~7.45	0.3C
Standby	25°C	6.85	6.8~6.9	0.3C

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