

6-FM-26Ah



LUXPOWER
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Valve-regulated Lead Acid Battery Specification

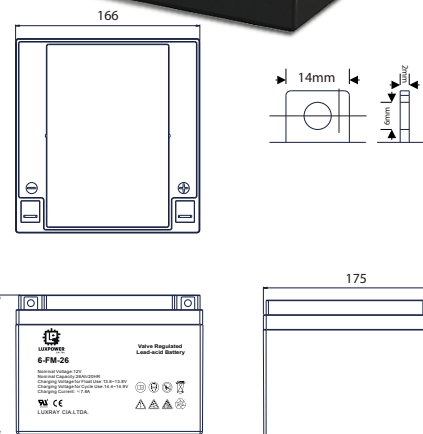
Features

- 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



Specification

Rated Voltage	12V
Numbers of cells	6 Cells
Capacity	26Ah@20hr-rate to 1.80V per cell @25°C
Weight	7.9kg
Internal Resistance	Approx. 11 mΩ
Terminal	F3 / F4
Max. Discharge Current	390A(5s)
Short Circuit Current	1300A
Max. Charging Current	7.8A
Reference Capacity	C20 26.0AH C5 21.5AH C1 15.3AH
Design Life	6~8 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.



Length	175±2mm (6.9 inches)
Width	166±1mm (6.5 inches)
Height	125±1mm (4.9 inches)
Total Height	125±1mm (4.9 inches)

Constant Current Discharge Characteristics: A(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	66.41	48.53	38.03	32.18	24.81	18.09	14.65	6.51	4.30	2.42	1.30
1.75V/cell	74.97	53.41	41.60	34.67	25.78	18.74	15.32	6.63	4.42	2.48	1.31
1.70V/cell	82.55	58.18	44.42	36.40	26.87	19.50	15.81	6.81	4.53	2.54	1.33
1.65V/cell	91.00	62.83	47.23	38.68	28.28	19.93	16.17	7.11	4.66	2.59	1.35
1.60V/cell	100.32	68.14	50.48	41.17	29.90	20.80	16.33	7.32	4.81	2.61	1.37

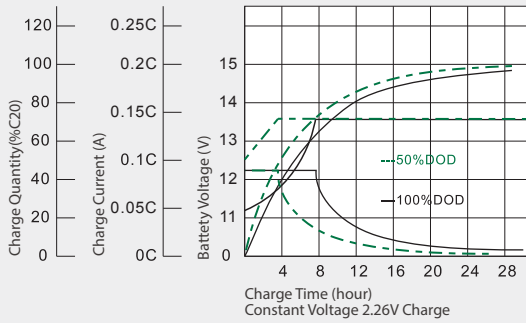
Constant-power discharge parameter Unit: W(25°C)1

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	120.25	88.73	70.09	59.80	46.58	34.45	28.06	12.57	8.41	4.78	2.57
1.75V/cell	132.71	95.88	75.62	63.70	47.99	35.32	29.25	12.78	8.59	4.90	2.59
1.70V/cell	142.03	102.16	79.52	66.41	49.73	36.62	30.12	13.11	8.80	4.99	2.64
1.65V/cell	154.38	109.20	83.96	70.09	52.00	37.27	30.55	13.65	9.01	5.09	2.68
1.60V/cell	166.40	115.92	88.29	73.78	54.49	38.57	30.66	13.98	9.27	5.14	2.69

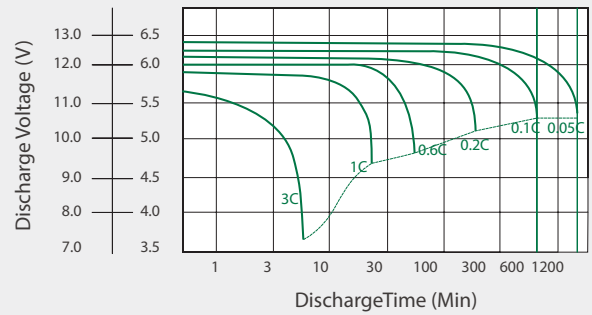
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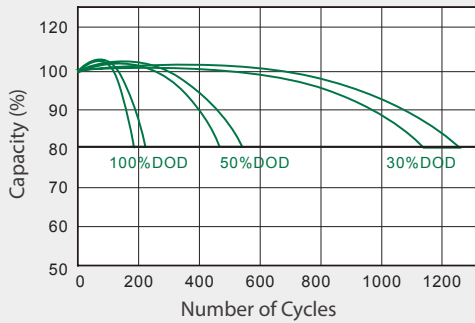
Charge Characteristics for Float Use @ 25°C/77°F



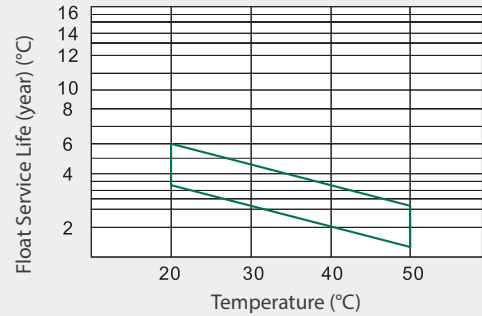
Discharge Characteristics at Various Rates @ 25°C/77°F



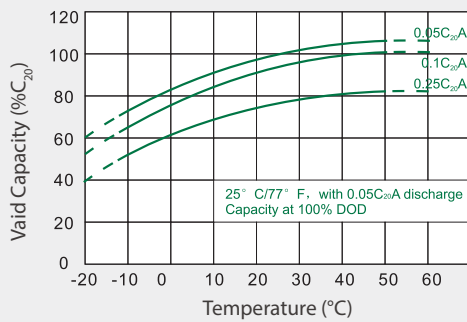
Cycle Life in Relation to Depth of Discharge



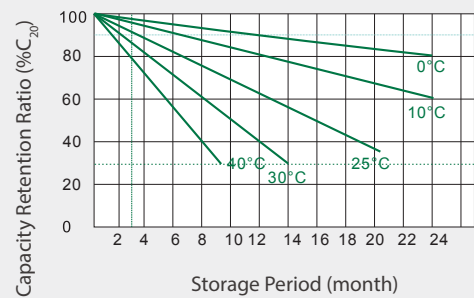
Float Service Life



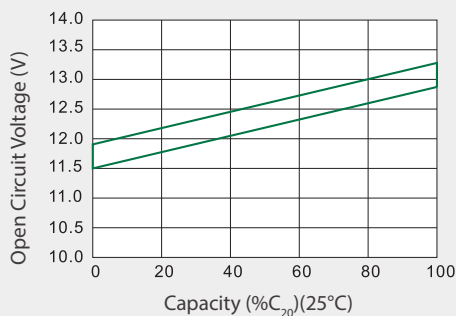
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

