

6-FM-33Ah

Valve-regulated Lead Acid Battery Specification

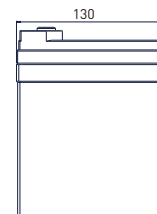
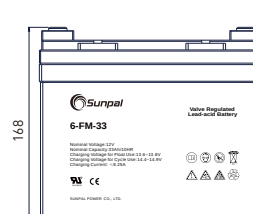
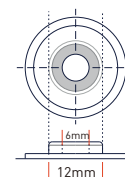
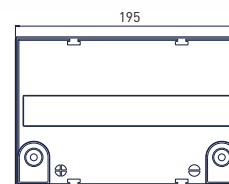
Features

- 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	33Ah@10hr-rate to 1.80V per cell @25°C
Weight	10.8kg
Internal Resistance	Approx. 10 mΩ
Terminal	F6
Max. Discharge Current	495A(5s)
Short Circuit Current	1650A
Max. Charging Current	8.25A
Reference Capacity	C10 33.0AH C3 25.3AH C1 18.2AH
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	195±2mm (7.7 inches)
Width	130±1mm (5.1 inches)
Height	155±1mm (6.1 inches)
Total Height	168±1mm (6.6 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	75.82	56.76	45.62	37.37	29.62	22.11	17.41	8.42	5.54	3.30	1.72
1.75V/cell	85.47	62.37	49.83	40.18	30.77	22.94	18.23	8.58	5.68	3.33	1.73
1.70V/cell	94.13	67.98	53.21	42.24	32.01	23.84	18.81	8.83	5.82	3.37	1.77
1.65V/cell	103.79	73.34	56.60	44.88	33.74	24.42	19.47	9.24	5.99	3.43	1.79
1.60V/cell	114.51	79.61	60.47	47.77	35.64	25.49	20.13	9.49	6.19	3.47	1.80

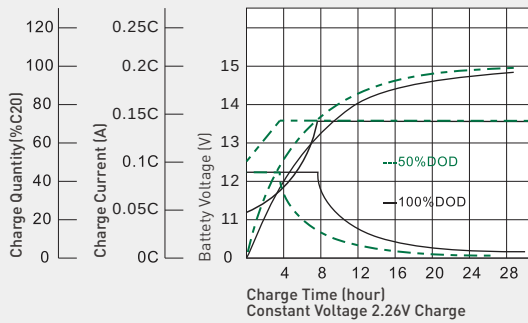
Constant Power Discharge Characteristics: WPC(25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	3h	5h	10h	20h
1.80V/cell	137.12	103.54	83.99	69.38	55.61	42.16	33.41	16.34	10.81	6.52	3.39
1.75V/cell	151.31	111.95	90.59	73.92	57.26	43.31	34.82	16.58	11.06	6.58	3.42
1.70V/cell	162.03	119.30	95.37	77.06	59.24	44.88	35.81	17.00	11.30	6.64	3.49
1.65V/cell	176.14	127.55	100.65	81.26	61.96	45.62	36.71	17.66	11.55	6.77	3.53
1.60V/cell	189.75	135.30	105.85	85.64	65.01	47.27	37.87	18.15	11.96	6.82	3.54

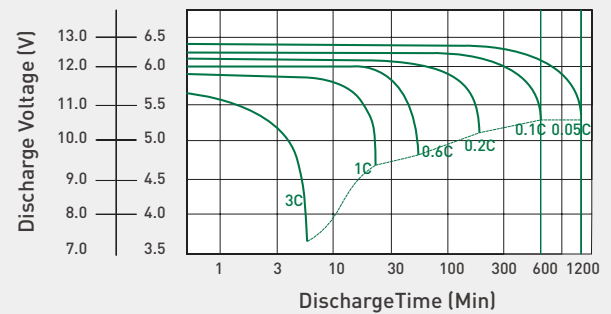
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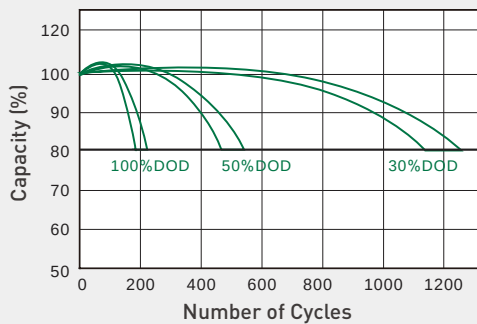
Charge Characteristics for Float Use @ 25°C/77°F



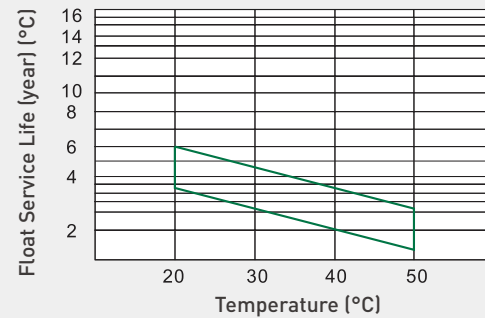
Discharge Characteristics at Various Rates @ 25°C/77°F



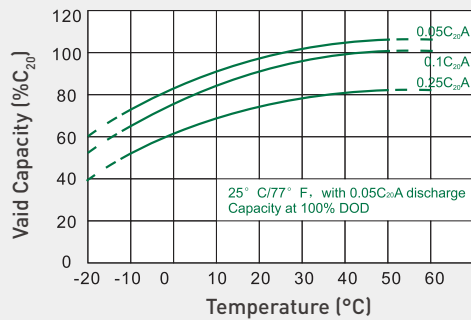
Cycle Life in Relation to Depth of Discharge



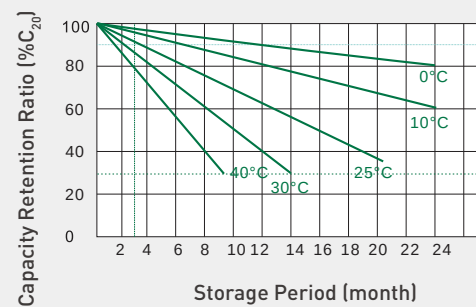
Float Service Life



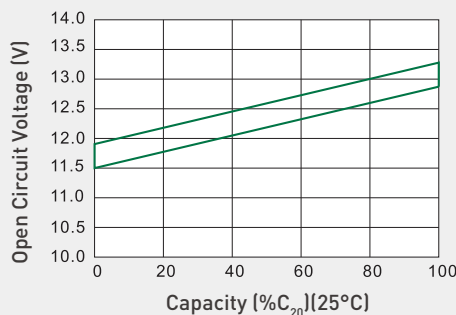
Temperature and Valid Capacity



Self Discharge Characteristics



Capacity and Open Circuit Voltage



Relationship between Charging Voltage and Temperature

