

⚡ Specifications

Nominal Voltage(V)

2V

Nominal Capacity at 20°C (68°F)

10 hour rate	(60A to 1.80V)	600Ah
5 hour rate	(102A to 1.75V)	510Ah
1 hour rate	(330A to 1.75V)	330Ah
1C	(600A to 1.60V)	360Ah

Weight

Approx. 35.7kg(78.54Lbs.)

Internal Resistance (at 1KHz)

Approx. 0.5 mΩ

Maximum Discharge Current for

5 seconds: 3600A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 2.33 to 2.36V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 180A

Standby use:

Float Charging Voltage 2.21 to 2.25V

Coefficient -3.0mV/°C/cell

Operating Temperature Range

Charge -15°C(5°F) to 40°C(104°F)

Discharge -15°C(5°F) to 50°C(122°F)

Storage -15°C(5°F) to 40°C(104°F)

Charge Retention (shelf life) at 20°C(68°F)

1 month 98%

3 month 94%

6 month 85%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

Expected Trickle Design Life: 12-15 years at 20°C according to Eurobat.

Terminal

F18



⚡ Dimensions

Length (L)

241±3 (9.49±0.12)

Width (W)

172±3 (6.77±0.12)

Height (H)

329.5±3 (12.97±0.12)

Overall Height (HT)

340±3 (13.39±0.12)

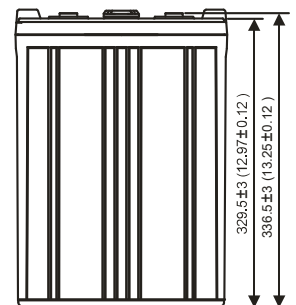
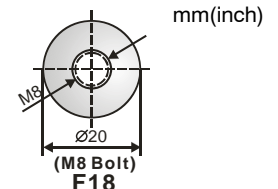
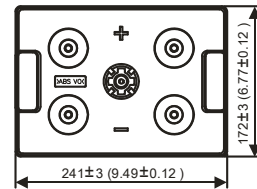
Description of torque value of hard ware for the terminals:

Recommended torque value

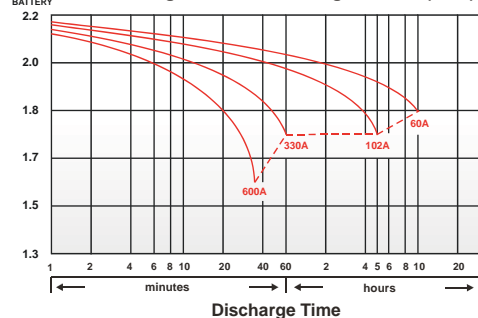
M8:12 N-m (122kgf-cm)

Maximum allowable torque value

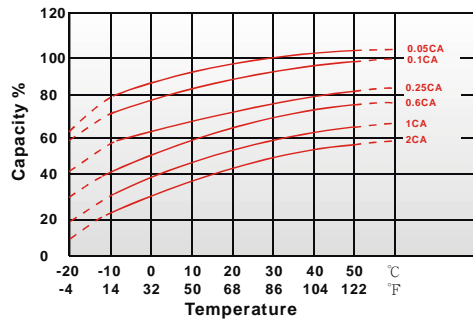
M8:20 N-m (204kgf-cm)



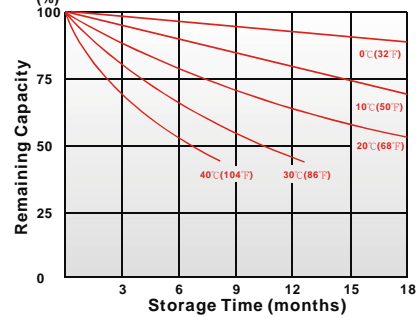
(V) FOR 6V BATTERY Discharge Time VS. Discharge Current (25°C)



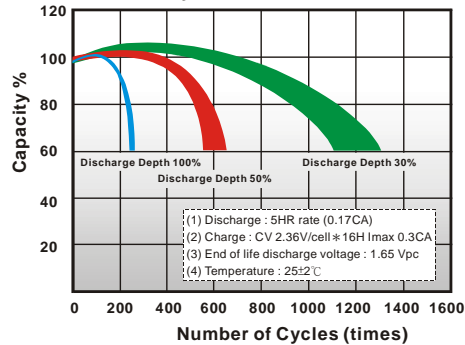
Effect of Temperature on Capacity 25°C (77°F)



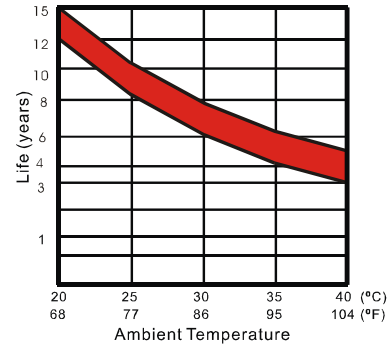
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
20	min	937	1075	1155	1215	1240	1265	1285
30	min	803	891	957	1017	1052	1087	1117
60	min	578	610	635	659	674	689	700
120	min	378	407	416	423	427	430	433
180	min	285	299	306	311	313	314	317
240	min	235	242	249	256	260	263	265
300	min	195	207	215	220	224	227	230
480	min	123	130	135	138	140	141	143
600	min	106	110	113	115	117	118	119
1200	min	56.5	58.1	59.3	60.1	60.4	60.7	60.9

- Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
20	min	522	605	665	705	720	730	740
30	min	480	539	587	622	642	662	682
60	min	287	327	357	377	384	390	396
120	min	211	238	250	255	259	262	265
180	min	150	157	164	169	171	173	175
240	min	125	131	135	139	142	145	147
300	min	102	109	114	118	121	123	125
480	min	70.8	73.2	74.8	76.0	76.6	77.1	77.6
600	min	60.0	60.4	60.8	61.2	61.4	61.6	61.8
1200	min	30.3	30.7	30.9	31.1	31.2	31.3	31.4

All data on the spec. sheet is an average value:

The tolerance range : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 10\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)

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