

Specifications 規格書

Nominal Voltage(V)公稱電壓

2V

Nominal Capacity 公稱容量

10 hour rate	(20A	to	1.80V)	200Ah
5 hour rate	(34A	to	1.70V)	170Ah
1 hour rate	(120A	to	1.60V)	120Ah
1 C	(200A	to	1.60V)	100Ah

Weight 重量

Approx. 14.0kg(30.8Lbs.)

Internal Resistance (at 1KHz)電阻值

Approx. 0.8 mΩ

Maximum Discharge Current for 最大耐電流

5 seconds: 1200A

Charging Methods at 25°C(77°F)充電條件

Maximum Charging Current : 最大充電電流	60A
Boost Charging Voltage 均等充電電壓	2.33 to 2.36V
Boost Charge Time 充出時間	8-9Hr
Float Charging Voltage 浮充電壓	2.21 to 2.25V
Coefficient -3.0mV/°C/cell 係數	

Operating Temperature Range 電池使用環溫

Charge 充電	-15°C(5°F)	to	40°C(104°F)
Discharge 放電	-15°C(5°F)	to	50°C(122°F)
Storage 儲存	-15°C(5°F)	to	40°C(104°F)

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

1 month	98%
3 month	94%
6 month	85%

Case Material 電池槽材質

ABS UL94 HB
 Option: Flammability resistance of (UL94 V-0)
 L.O.I ≥ .28%

Design Life 設計壽年

Expected Trickle Design Life: 15 years at 20°C according to Euroba

Terminal 端子型態

F18

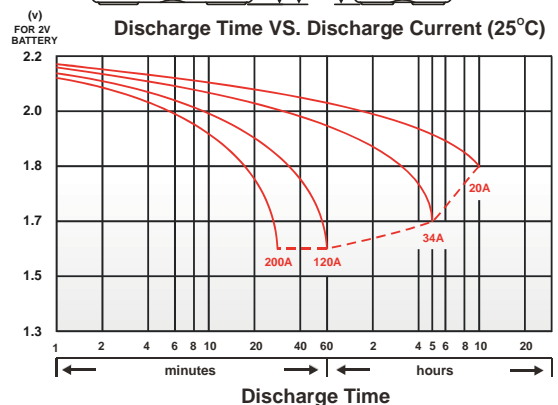
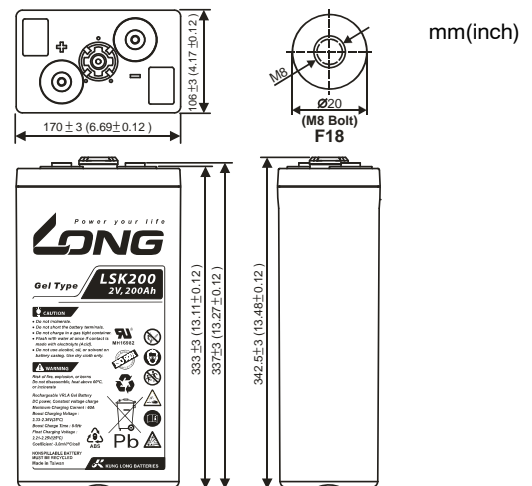


Dimensions 尺寸

Length (L)長	170±3 (6.69±0.12)
Width (W)寬	106±3 (4.17±0.12)
Height (H)高	333±3 (13.11±0.12)
Overall Height (HT)	342.5±3 (13.48±0.12)

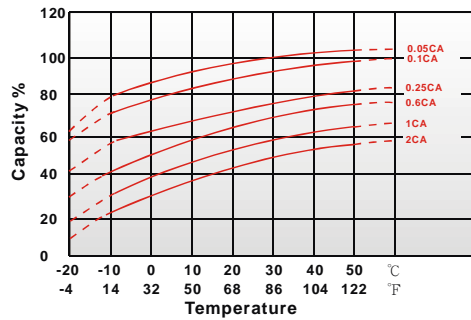
Description of torque value of hard ware for the terminals:

Recommended torque value	M8:12 N-m (122kgf-cm)
Maximum allowable torque value	M8: 20 N-m (204kgf-cm)



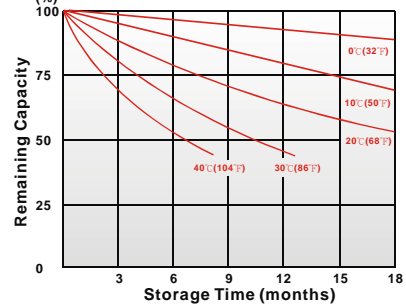
溫度與容量對照

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

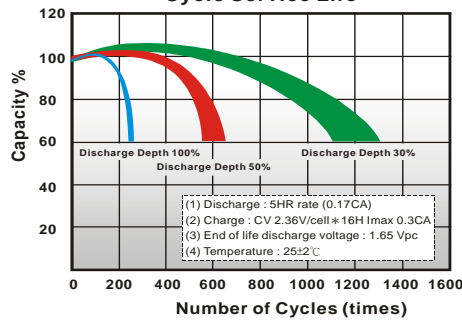


儲存與容量對照

Capacity Retention Characteristic

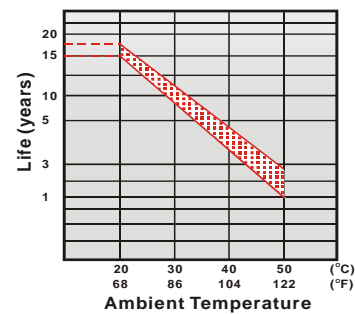


循環使用次數
Cycle Service Life



浮充設計壽命

Trickle (or float) Service Life



- PERFORMANCE DATA 實績

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.65V	1.60V
Time							
20	min	307	348	383	414	439	458
30	min	283	297	324	347	364	379
60	min	184	203	212	221	229	236
120	min	107	116	123	130	136	141
180	min	87.9	94.3	99.4	103	106	109
240	min	75.2	79.9	82.8	85.4	87.5	89.4
300	min	66.5	69.3	71.6	73.5	75.2	76.5
360	min	59.3	61.2	62.9	64.4	65.6	66.7
480	min	47.2	48.8	50.1	51.2	52.1	52.8
600	min	42.4	43.9	45.1	46.0	46.7	47.2
1200	min	20.3	21.2	21.9	22.5	23.0	23.3

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.65V	1.60V
Time							
20	min	162	182	205	226	243	254
30	min	157	178	191	201	210	217
60	min	92.7	103	110	117	122	126
120	min	61.4	64.9	68.1	70.7	73.2	75.3
180	min	46.3	48.5	50.7	52.6	54.3	55.8
240	min	36.5	38.7	40.4	41.9	43.2	44.3
300	min	31.0	32.8	34.3	35.6	36.7	37.7
360	min	28.4	30.2	30.9	31.6	32.2	32.8
480	min	22.9	24.0	24.6	25.1	25.5	25.9
600	min	19.2	20.0	20.5	20.9	21.3	21.6
1200	min	9.8	10.3	10.7	11.0	11.2	11.4

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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