

### ⚡ Specifications

#### Nominal Voltage(V)

2V

#### Nominal Capacity at 20°C (68°F)

10 hour rate	(30A to 1.80V)	300Ah
5 hour rate	(51A to 1.70V)	255Ah
1 hour rate	(180A to 1.60V)	180Ah
1C	(300A to 1.60V)	150Ah

#### Weight

Approx. 21.2kg(46.64Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 0.5 mΩ

#### Maximum Discharge Current for

5 seconds: 1800A

#### Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 2.33 to 2.36V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 90A

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

EUROBAT(20°C) : >12 YEARS VERY LONG LIFE

#### Terminal

F18



### ⚡ Dimensions

Length (L) 170±3 (6.69±0.12)

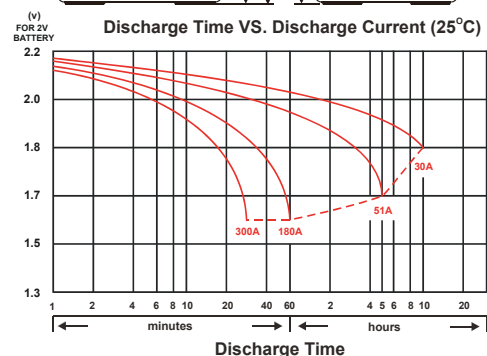
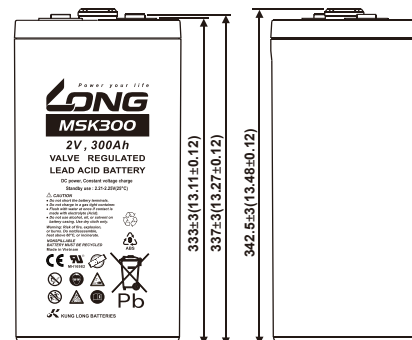
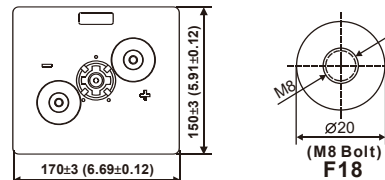
Width (W) 150±3 (5.91±0.12)

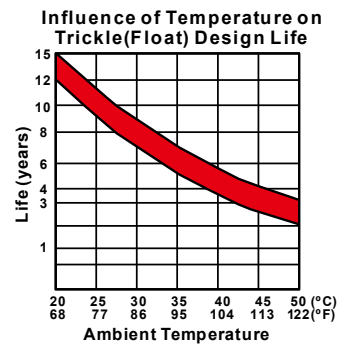
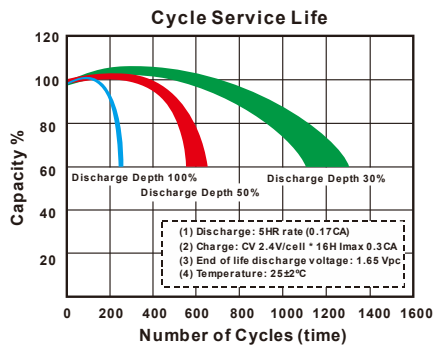
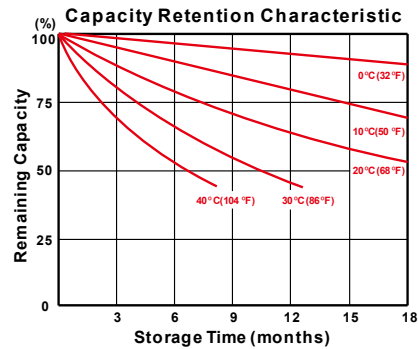
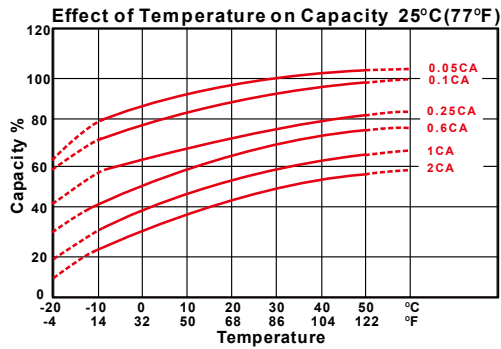
Height (H) 333±3 (13.11±0.12)

Overall Height (HT) 342.5±3 (13.48±0.12)

#### Description of torque value of hardware for the terminals:

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





### - PERFORMANCE DATA

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

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.65V	1.60V
		20 min	516	578	613	644	671
30 min	483	514	538	556	573	586	
60 min	272	297	316	332	345	354	
120 min	167	178	188	197	205	211	
180 min	127	136	144	151	158	163	
240 min	108	115	120	125	129	132	
300 min	95.7	101	105	109	112	114	
360 min	84.7	89.4	92.6	95.2	97.1	98.6	
480 min	67.6	70.9	73.5	75.7	77.3	78.4	
600 min	56.7	59.6	61.8	63.6	64.9	65.7	
1200 min	30.2	31.5	32.4	33.2	34.0	34.5	

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

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.65V	1.60V
		20 min	246	288	317	345	368
30 min	218	251	276	299	317	325	
60 min	135	152	165	176	183	189	
120 min	92.9	97.3	102	106	110	113	
180 min	68.5	73.2	76.1	78.8	81.4	83.8	
240 min	54.1	57.7	60.3	62.5	64.6	66.4	
300 min	46.6	49.5	51.6	53.4	55.1	56.5	
360 min	40.2	42.6	44.7	46.6	48.1	49.2	
480 min	33.4	35.1	36.3	37.4	38.2	39.0	
600 min	29.1	30.2	31.1	31.8	32.4	32.9	
1200 min	14.9	15.6	16.1	16.6	17.0	17.3	

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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