

### 12SB26CLN (12V 26Ah)

#### SPECIFICATIONS

Nominal Voltage (V) 12V

#### Nominal Capacity

20 hour rate (1.30A to 10.50V)	26Ah
10 hour rate (2.47A to 10.50V)	24.7Ah
5 hour rate (4.42A to 10.20V)	22.1Ah
1C (26A to 9.60V)	14.73Ah
3C (78A to 9.60V)	10.4Ah

Weight Approx. 9.3kg (20.46lbs)

Internal Resistance (@1kHz) Approx. 11mΩ

#### Maximum Discharge Current

For 5 seconds 390A

#### Charging Methods @25°C (77°F)

##### Cycle Use:

Charging Voltage	14.4V to 15.0V
Coefficient -5.0mV/°C/Cell	
Maximum Charging Current	7.8A

##### Standby Use:

Float Charging Voltage	13.50V to 13.80V
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) @20°C (68°F)

1 month	92%
3 months	90%
6 months	80%

Case Material ABS

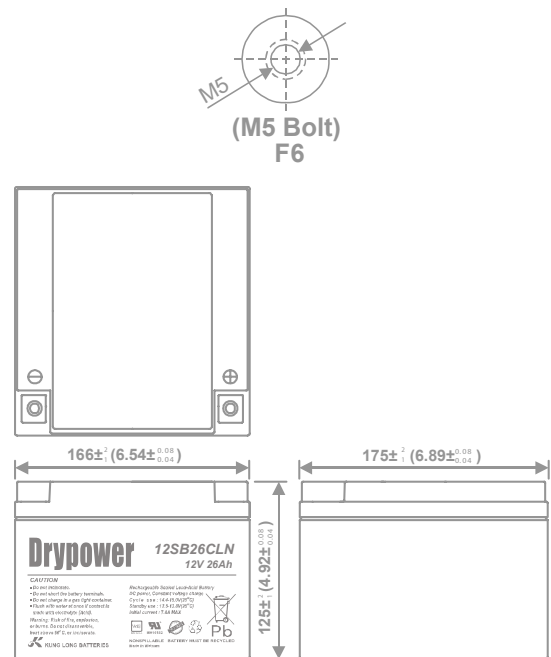
Terminal F6

#### Description of Torque Value of Hard Ware for the Terminals

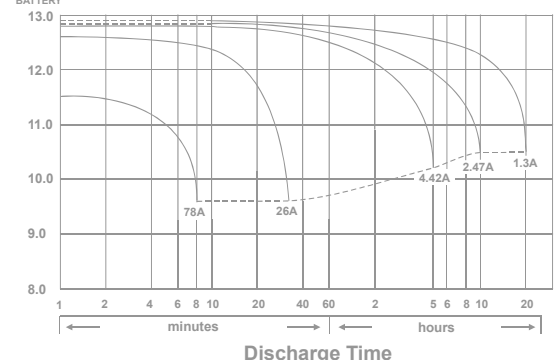
Recommended Torque Value	M5: 2.94 N-m (30kg-cm)
Max. Allowable Torque Value	M5: 4.90 N-m (50kg-cm)



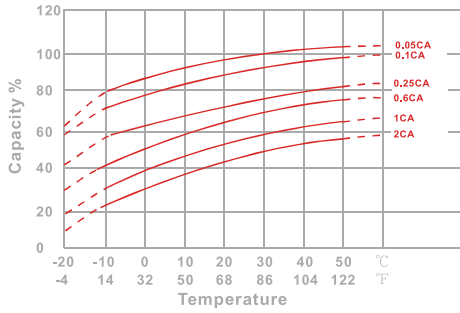
#### DIMENSIONS mm (inch)



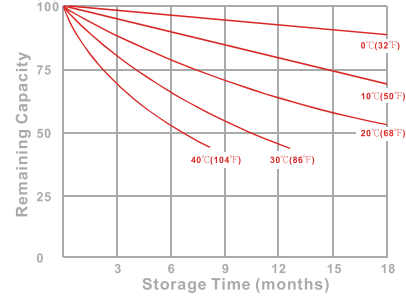
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



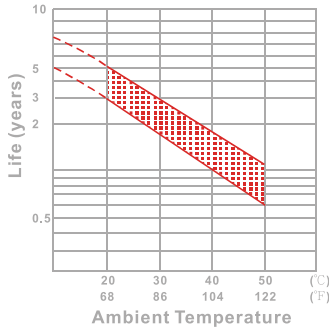
**Effect of Temperature on Capacity 25°C(77°F)**



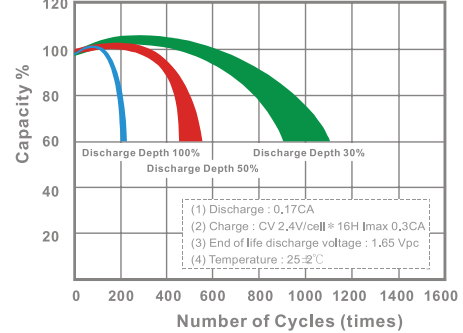
**Capacity Retention Characteristic**



**Trickle (or float) Service Life**



**Cycle 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
<b>Time</b>								
5	min	884	968	1037	1109	1144	1175	1246
10	min	645	683	716	749	766	784	812
15	min	472	504	529	553	565	576	597
30	min	254	272	283	292	297	302	308
60	min	181	190	194	197	199	201	203
120	min	115	119	121	124	125	126	127
180	min	76.9	79.1	80.2	81.3	81.8	82.4	82.9
240	min	61.8	63.2	64.0	64.8	65.2	65.6	65.9
300	min	52.5	53.4	53.9	54.4	54.6	54.9	56.2
600	min	32.5	33.1	33.5	33.9	34.1	34.3	34.5
1200	min	15.7	16.1	16.4	16.7	16.8	16.9	17.0

**- 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
<b>Time</b>								
5	min	78.9	92.9	103	109	111	113	115
10	min	55.6	62.1	64.2	68.2	70.4	72.3	75.7
15	min	40.8	46.4	49.8	52.6	54.3	54.9	56.2
30	min	21.4	23.8	25.2	26.5	27.2	27.8	28.8
60	min	15.3	16.1	16.5	16.9	17.1	17.3	17.5
120	min	9.34	9.72	9.87	10.0	10.1	10.2	10.3
180	min	6.45	6.63	6.72	6.83	6.87	6.92	6.99
240	min	5.48	5.61	5.69	5.76	5.79	5.84	5.91
300	min	4.77	4.86	4.93	5.00	5.02	5.05	5.08
600	min	2.55	2.61	2.65	2.69	2.71	2.74	2.77
1200	min	1.29	1.34	1.36	1.38	1.39	1.40	1.43

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%)

Performance may vary depending on application. All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.