

Sealed Lead Acid Rechargeable Battery

SN26-12 12Volt 26Ah

Specifications

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(1.3A to 10.50V)	26Ah
10 hour rate	(2.47A to 10.50V)	24.7Ah
5 hour rate	(4.42A to 10.20V)	22.1Ah
1 C	(26A to 9.60V)	14.73Ah
3 C	(78A to 9.60V)	10.4Ah

Weight Approx. 8.8Kg(19.36Lbs.)

Internal Resistance (at 1KHz) Approx. 9.6mΩ

Maximum Discharge Current for

5 seconds: 390A

Charging Methods at 25 °C (77 °F)

Cycle use:

Charging Voltage 14.4 to 15V

Coefficient -5.0mV/°C/cell

Maximum Charging Current: 7.8A

Standby use:

Float Charging Voltage 13.5 to 13.8V

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 92%

3 month 90%

6 month 80%

Case Material ABS UL94 HB

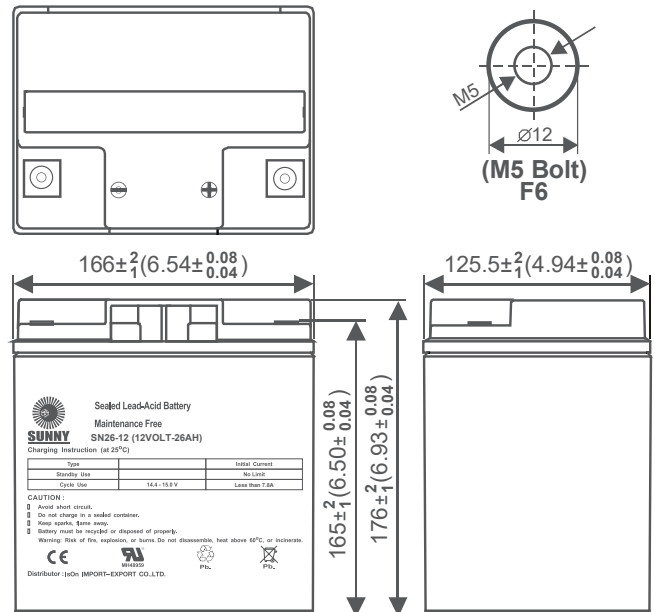
Option: Flammability resistance of (UL94 V-0)

Terminal F6

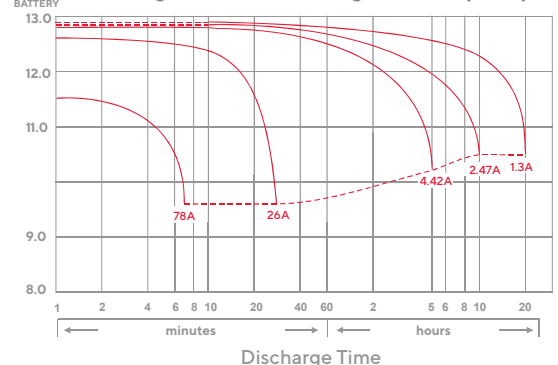


Dimensions

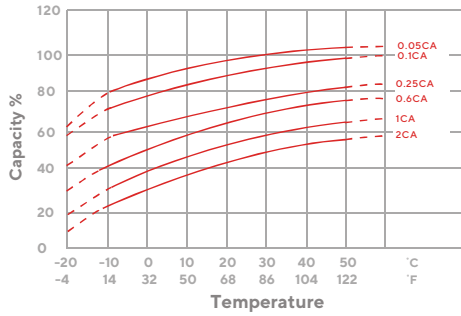
mm(inch)



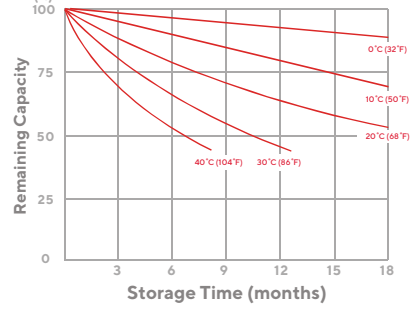
(V) Discharge Time VS. Discharge Current (25 °C)
FOR 12V BATTERY



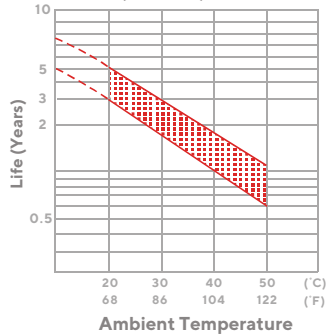
Effect of Temperature on Capacity 25 °C (77 °F)



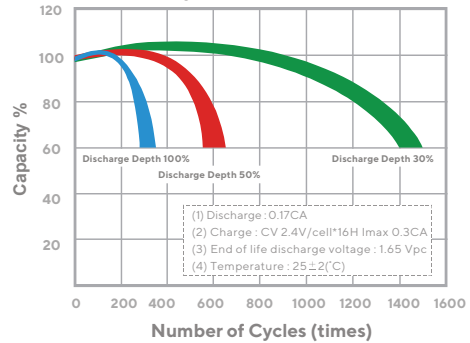
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



PERFORMANCE DATA

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

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	143	158	170	180	189	199	209
10	min	112	118	123	129	134	138	143
15	min	90.5	96.0	100	104	105	107	108
30	min	56.3	59.3	61.2	62.7	63.3	64.2	65.2
60	min	38.5	39.8	40.5	41.0	41.3	41.7	42.0
120	min	22.0	22.5	22.8	23.2	23.3	23.5	23.7
180	min	15.5	15.9	16.1	16.3	16.4	16.5	16.6
240	min	12.3	12.6	12.9	13.0	13.1	13.1	13.2
300	min	10.2	10.5	10.7	10.8	10.9	10.9	11.0
600	min	5.32	5.47	5.58	5.68	5.72	5.72	5.78
1200	min	2.70	2.82	2.92	2.98	3.00	3.03	3.08

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

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	87.9	101	111	117	119	121	124
10	min	60.1	67.1	70.8	73.9	75.7	77.8	80.2
15	min	44.1	49.8	52.2	55.1	55.8	56.5	57.8
30	min	32.9	34.1	34.8	35.4	35.6	35.8	36.1
60	min	19.9	20.4	20.8	21.1	21.2	21.4	21.6
120	min	10.7	11.1	11.3	11.5	11.6	11.7	11.8
180	min	7.89	7.84	7.95	8.06	8.11	8.16	8.23
240	min	6.05	6.17	6.26	6.35	6.39	6.44	6.50
300	min	5.07	5.16	5.24	5.31	5.34	5.38	5.42
600	min	2.58	2.64	2.70	2.76	2.78	2.81	2.84
1200	min	1.330	1.380	1.420	1.450	1.460	1.480	1.510

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%), $\geq X > 60\text{min}$ (+5%~-5%)