



ES26-12T

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
1C (26A to 9.60V)	14.73Ah
3C (78A to 9.60V)	10.4Ah

Weight Approx. 20.2Lbs. (9.18kg)

Internal Resistance (at 1KHz) Approx. 9.4 mΩ

Maximum Discharge Current for 5 seconds : 390A

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 months	90%
6 months	80%

Charging Methods at 25°C (77°F)

Cycle Use : Charging Voltage 14.4 to 15.0V
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

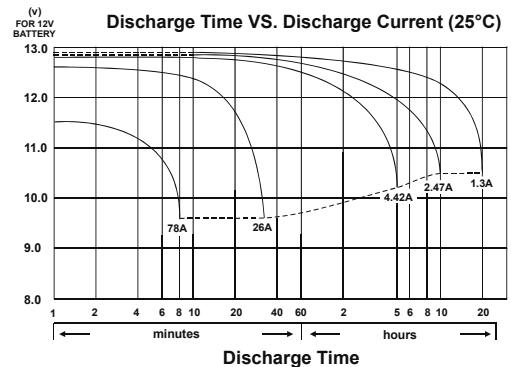
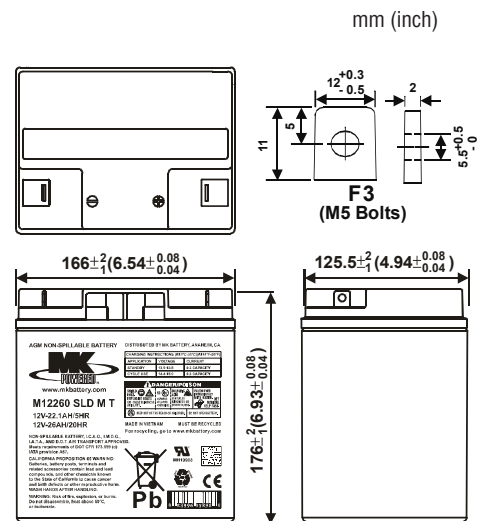
Case Material : ABS
(Option : UL94 HB Flame Retardant Case Material)

Terminal : F3

Maintenance-Free Rechargeable Sealed Lead-Acid Battery



DIMENSIONS



MK Battery

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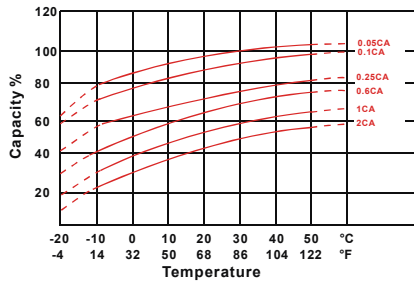
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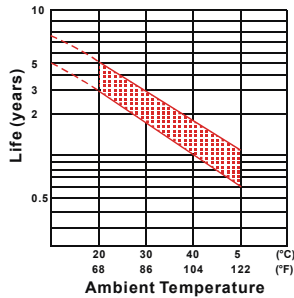


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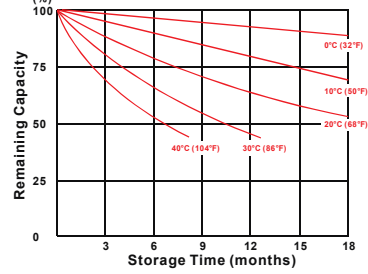
Effect of Temperature on Capacity 25°C (77°F)



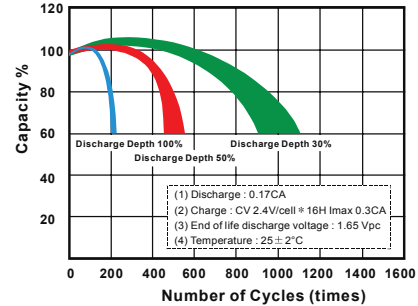
Trickle (or float) Service Life



Capacity Retention Characteristic



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	153	164	172	183	194		
10	min	131	133	138	144	146		
15	min	103	105	108	110	112		
20	min	89.8	91.0	94.7	96.7	97.7		
30	min	62.4	64.4	66.3	67.4	68.5		
45	min	42.7	47.4	43.2	49.2	50.9		
60	min	36.8	41.4	42.0	42.5	43.5		
90	min	25.0	25.9	26.0	26.2	26.7		
120	min	19.8	21.1	21.3	21.5	21.7		
180	min	14.2	14.8	15.0	15.3	15.5		
240	min	11.9	12.1	12.2	12.3	12.5		
300	min	10.1	10.2	10.3	10.4	10.6		
480	min	6.80	7.20	7.28	7.53	7.68		
600	min	5.31	5.32	5.33	5.34	5.35		
1200	min	2.81	2.82	2.83	2.84	2.85		

- 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	83.0	88.5	93.0	99.0	105		
10	min	70.0	71.2	73.5	76.8	78.3		
15	min	53.6	54.7	56.0	57.0	58.1		
20	min	46.8	47.3	48.9	49.9	50.5		
30	min	32.2	33.3	34.1	34.9	36.0		
45	min	22.1	23.9	24.6	25.3	26.2		
60	min	18.7	21.2	21.7	22.2	22.9		
90	min	12.8	13.2	13.6	13.8	14.1		
120	min	10.2	10.7	10.8	10.9	11.0		
180	min	7.11	7.42	7.52	7.62	7.73		
240	min	5.92	5.97	6.20	6.31	6.42		
300	min	4.98	5.11	5.15	5.20	5.22		
480	min	3.38	3.47	3.49	3.53	3.55		
600	min	2.62	2.66	2.67	2.68	2.69		
1200	min	1.41	1.42	1.43	1.44	1.45		

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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