



MU-1 SLD M

SPECIFICATIONS

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (1.75A to 10.50V)	35Ah
10 hour rate (3.325A to 10.50V)	33.25Ah
5 hour rate (5.95A to 10.20V)	29.75Ah
1C (35A to 9.60V)	18.67Ah
3C (105A to 9.60V)	12.25Ah

Weight Approx. 22.7Lbs. (10.3kg)

Internal Resistance (at 1KHz) Approx. 6 mΩ

Maximum Discharge Current for 5 seconds : 525A

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 : 10.5A

Standby Use : Float Charging Voltage 13.50 to 13.80V
Coefficient -3.0mv / °C / cell

Case Material : ABS UL94 HB

Terminal : F4

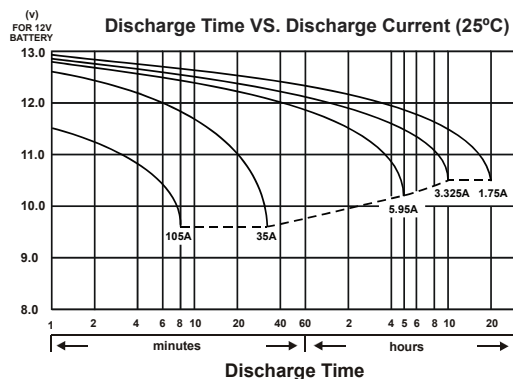
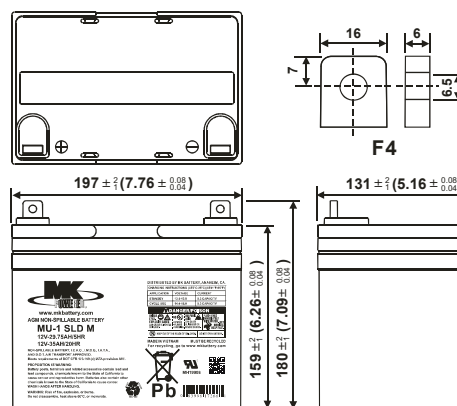
This battery is designed to meet International Standard ISO 7176-25 for wheelchair use.

Sealed Valve-Regulated Lead-Acid Battery



DIMENSIONS

mm (inch)



MK Battery

1631 South Sinclair Street • Anaheim, California 92806

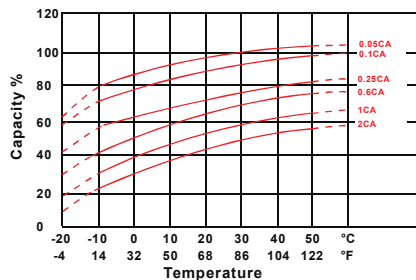
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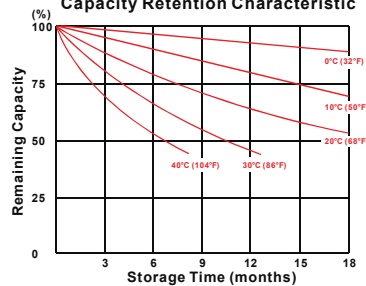


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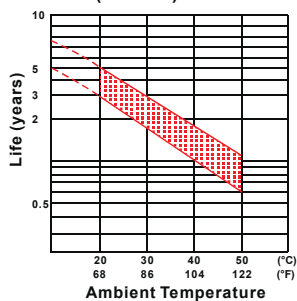
Effect of Temperature on Capacity 25°C (77°F)



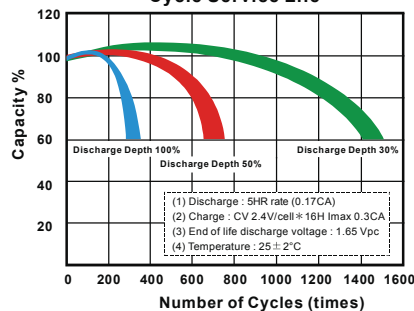
Capacity Retention Characteristic



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
Time								
5	min	116	158	188	208	215	222	231
10	min	82.3	109	129	141	145	150	155
15	min	67.9	88.2	103	113	115	119	123
30	min	36.4	47.5	55.7	60.8	62.4	64.4	66.6
60	min	30.7	34.8	37.0	38.5	39.0	39.5	40.0
120	min	19.2	21.0	22.5	23.7	24.0	24.5	24.8
180	min	14.6	15.6	16.3	16.7	16.8	17.0	17.2
240	min	12.1	12.8	13.3	13.6	13.8	13.9	14.0
300	min	10.5	11.2	11.6	11.9	12.0	12.1	12.2
600	min	6.27	6.67	6.93	7.07	7.13	7.20	7.27
1200	min	3.32	3.50	3.65	3.72	3.75	3.78	3.82

- 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
Time								
5	min	84.0	104	119	127	130	134	138
10	min	59.2	68.9	74.9	79.1	80.8	83.3	86.4
15	min	46.5	53.8	58.5	61.1	61.9	62.9	64.2
30	min	27.8	31.7	33.2	34.5	34.9	35.4	36.0
60	min	16.9	18.2	19.1	19.8	20.0	20.3	20.6
120	min	10.2	11.0	11.5	11.9	12.0	12.2	12.4
180	min	7.26	7.85	8.31	8.47	8.53	8.62	8.76
240	min	5.68	6.14	6.51	6.69	6.74	6.81	6.91
300	min	5.42	5.70	5.88	5.95	5.96	5.97	5.97
600	min	3.11	3.23	3.34	3.42	3.45	3.48	3.52
1200	min	1.62	1.70	1.75	1.79	1.80	1.82	1.84

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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