



M65-12 SLD M

SPECIFICATIONS

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (3.25A to 10.50V)	65Ah
10 hour rate (6.175A to 10.50V)	61.75Ah
5 hour rate (11.05A to 10.20V)	55.25Ah
1 hour rate (39A to 9.60V)	39Ah
1C (65A to 9.60V)	36.83Ah

Weight Approx. 45.32Lbs. (20.6kg)

Internal Resistance (at 1KHz) Approx. 5 mΩ

**Maximum Discharge Current for :
5 seconds :** 780A

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 months	94%
6 months	85%

Charging Methods at 25°C (77°F)

Cycle Use : Charging Voltage 14.4 to 15.0V
Coefficient -5.0mv / °C / cell
Maximum Charging Current : 19.5A

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

Case Material : ABS UL94HB

Terminal : F8

Terminal Hardware Torque Value :

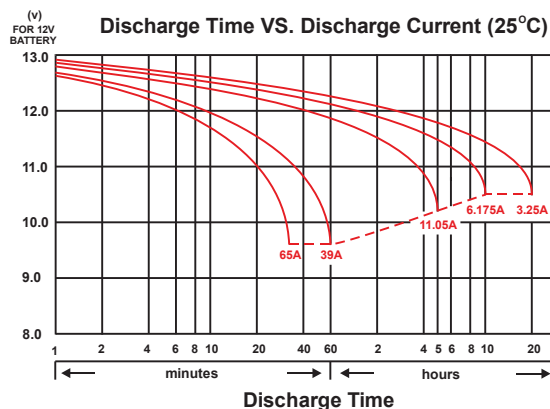
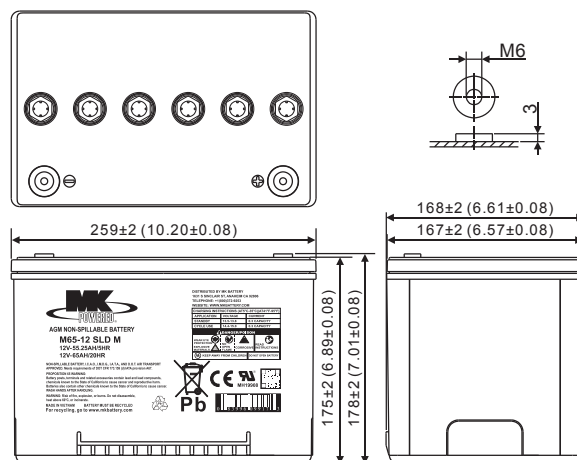
Recommended	M6: 7 N-m (71kgf-cm)
Maximum Allowable	M6: 10 N-m (102kgf-cm)

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

Maintenance-Free Rechargeable Sealed Lead-Acid Battery



DIMENSIONS



MK Battery

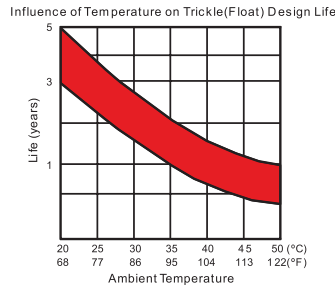
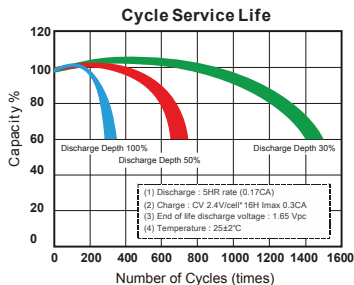
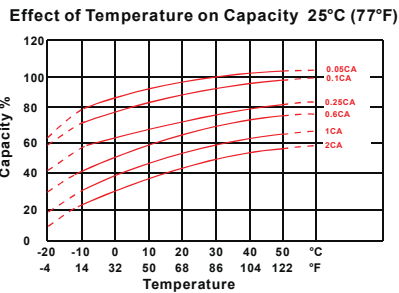
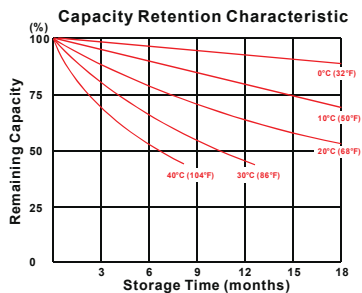
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- PERFORMANCE DATA

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		305	350	390	405	415	423	430
10	min		240	255	270	280	285	288	290
15	min		195	205	215	220	222	224	225
30	min		110	119	128	135	136	136	137
60	min		68.5	71.0	73.5	74.3	74.6	74.9	75.1
120	min		38.5	40.5	42.0	42.8	43.1	43.3	43.5
180	min		29.4	30.2	30.9	31.3	31.5	31.7	31.9
240	min		24.0	24.5	25.0	25.3	25.5	25.7	25.8
300	min		20.0	20.5	21.0	21.2	21.3	21.4	21.5
480	min		13.8	14.2	14.5	14.7	14.9	15.0	15.1
600	min		11.5	11.8	12.0	12.2	12.3	12.4	12.4
1200	min		5.79	5.93	6.05	6.15	6.18	6.21	6.23

- 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		155	185	210	230	240	246	250
10	min		125	137	147	155	160	163	165
15	min		100	110	117	119	120	121	122
30	min		57.5	63.0	68.5	70.7	71.5	72.0	72.5
60	min		37.0	38.3	39.5	40.5	41.0	41.3	41.5
120	min		20.5	21.3	22.0	22.4	22.6	22.7	22.8
180	min		15.5	15.9	16.2	16.5	16.6	16.7	16.8
240	min		12.0	12.5	13.0	13.2	13.3	13.4	13.5
300	min		10.0	10.6	11.1	11.2	11.3	11.4	11.5
480	min		7.20	7.25	7.30	7.33	7.35	7.36	7.37
600	min		6.10	6.14	6.18	6.20	6.21	6.22	6.22
1200	min		3.15	3.20	3.25	3.26	3.27	3.27	3.27

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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