WESTCO BY MK BATTERY

M50-12GT

SPECIFICATIONS

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (2.5A to 10.50V)	50Ah
5 hour rate (8.5A to 10.20V)	42.5Ah
1 hour rate (27.5A to 9.60V)	27.5Ah
1C (50A to 9.60V)	26.67Ah

Weight Approx. 15.0kg (33.0Lbs.)

Internal Resistance (at 1KHz) Approx. 6 mΩ

Maximum Discharge Current for 5 seconds : 600A

Operating Temperature Range

Charge	-15ºC (5ºF) to 40ºC (104ºF)
Discharge	-15ºC (5ºF) to 50ºC (122ºF)
Storage	-15ºC (5ºF) to 40ºC (104ºF)

Charge Retention (shelf life) at 20ºC (68ºF)

1 month	97%
3 months	92%
6 months	85%

Charging Methods at 25ºC (77ºF)

Cycle Use : Charging Voltage 13.8 to 14.4V
Coefficient -5.0mv / ºC / cell
Maximum Charging Current : 15A

Standby Use : Float Charging Voltage 13.5 to 13.8V
Coefficient -3.0mv / ºC / cell

Case Material : ABS UL94 HB

Terminal : F8

Terminal Hardware Torque Value :

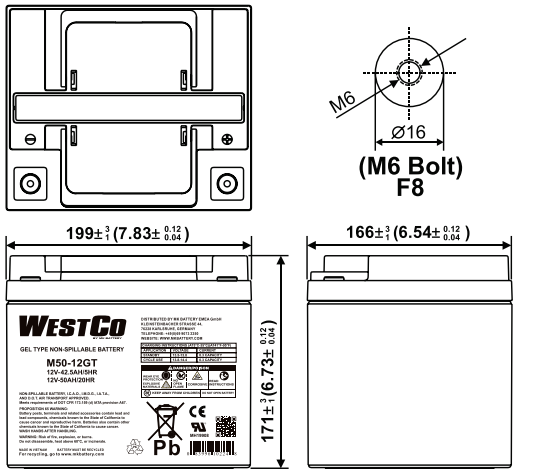
Recommended	M6: 7 N-m (71 kgf-cm)
Maximum Allowable	M6: 10 N-m (102 kgf-cm)

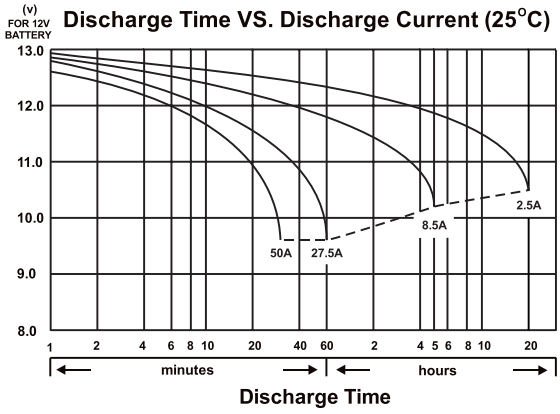
GEL TYPE NON-SPILLABLE BATTERY



DIMENSIONS

mm (inch)





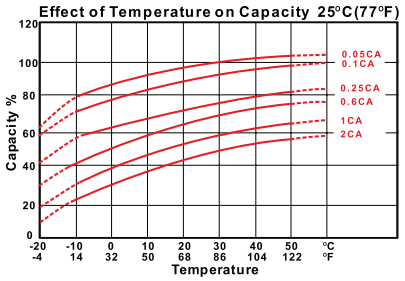
MK Battery EMEA GmbH
Kleinsteinbacher Strasse 44, 76228, Karlsruhe-Stupferich Germany
Phone: +49 (0) 69 9073 2250 • **E-mail**: salescentraleurope@mkbattery.com

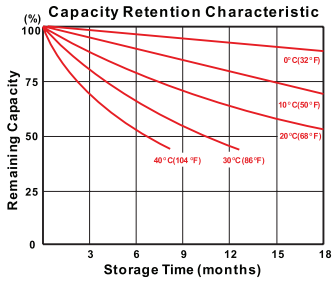
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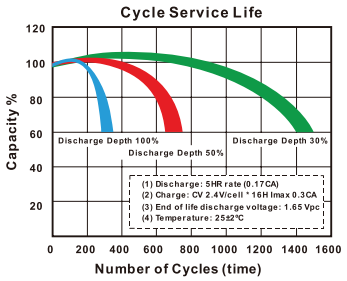
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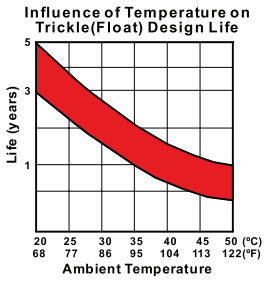
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Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

Time		End Voltage 1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
15	min	114	132	144	150	153	155	157
30	min	70.2	81.3	87.5	90.6	91.8	93.1	93.9
45	min	56.5	61.4	65.9	68.4	69.4	70.0	70.3
60	min	50.4	52.8	54.7	56.2	56.9	57.3	57.5
90	min	35.2	37.7	39.7	41.2	41.7	42.0	42.2
120	min	27.7	29.9	31.7	32.9	33.6	33.9	34.0
180	min	20.0	21.6	22.9	23.6	24.1	24.4	24.6
240	min	16.6	17.6	18.4	18.9	19.3	19.6	19.9
300	min	15.6	16.2	16.7	17.0	17.2	17.4	17.5
480	min	9.90	10.4	10.8	11.1	11.2	11.3	11.4
600	min	8.44	8.87	9.20	9.35	9.45	9.52	9.57
1200	min	4.49	4.74	4.95	5.10	5.15	5.17	5.19

- 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
15	min	61.0	73.3	80.6	83.1	84.1	84.9	85.5
30	min	40.9	44.8	47.5	49.0	49.7	50.2	50.6
45	min	29.6	32.5	34.7	36.0	36.7	36.9	37.0
60	min	24.0	26.3	28.1	29.3	29.8	30.1	30.2
90	min	18.0	19.2	20.2	20.9	21.2	21.4	21.5
120	min	14.3	15.3	16.0	16.4	16.7	16.9	17.0
180	min	10.3	11.2	12.0	12.5	12.7	12.8	12.9
240	min	8.67	9.06	9.41	9.69	9.84	9.87	9.88
300	min	7.30	7.90	8.27	8.50	8.59	8.64	8.69
480	min	5.50	5.65	5.75	5.79	5.81	5.82	5.83
600	min	4.40	4.60	4.75	4.82	4.84	4.86	4.88
1200	min	2.32	2.42	2.50	2.54	2.57	2.59	2.61

All data on the spec. sheet is an average value:
The tolerance range : X<6min(+15%~-15%), 6min≦X<10min(+12%~-12%),10min ≦X < 60min(+8% ~-8%), X≧60min(+5%~-5%)

MK Battery EMEA GmbH
Kleinsteinbacher Strasse 44, 76228, Karlsruhe-Stupferich Germany
Phone: +49 (0) 69 9073 2250 • **E-mail**: salescentraleurope@mkbattery.com

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