M62-12GT

SPECIFICATIONS

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (3.1A to 10.50V)	62Ah
5 hour rate (10.54A to 10.20V)	52.7Ah
1 hour rate (34.1A to 9.60V)	34.1Ah
1C (62A to 9.60V)	33.07Ah

Weight Approx. 18.5kg (40.7Lbs.)

Internal Resistance (at 1KHz) Approx. 6.5 mΩ

Maximum Discharge Current for 5 seconds : 744A

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	98%
3 months	94%
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 : 18.6A

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 :

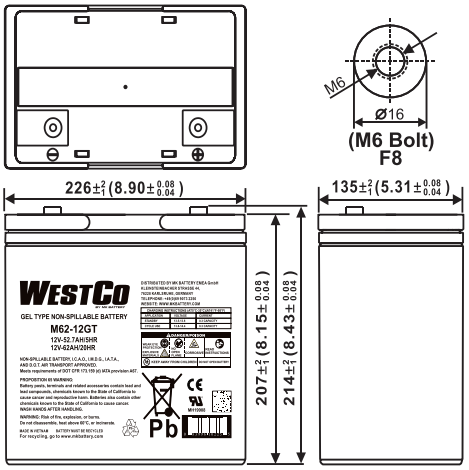
Recommended	M6: 7 N-m (71 kgf-cm)
Maximum Allowable	M6: 10 N-m (102 kgf-cm)

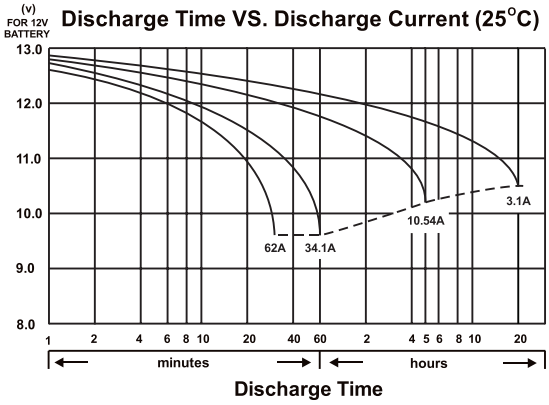
GEL TYPE NON-SPILLABLE BATTERY



DIMENSIONS

mm (inch)

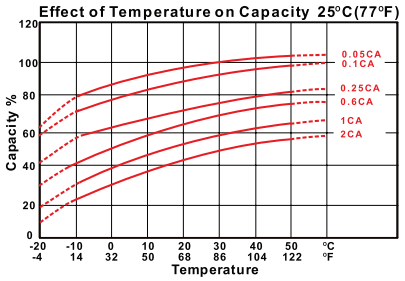


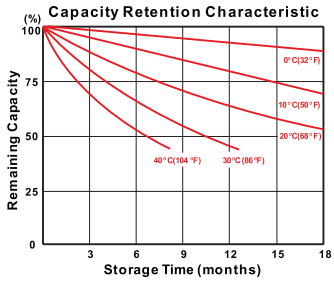


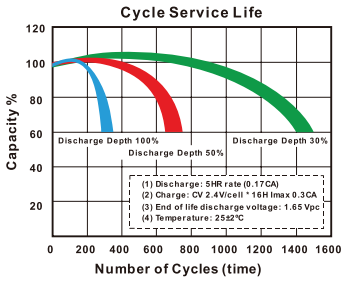
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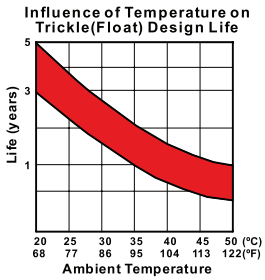
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M62-12GT









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	128	157	178	190	196	201	206
30	min	75.5	86.0	94.3	101	106	110	113
45	min	60.8	68.6	75.6	81.1	83.3	83.8	84.0
60	min	53.7	60.7	64.9	67.4	68.6	69.3	69.6
90	min	37.2	41.4	44.2	46.2	47.5	47.8	48.0
120	min	29.2	32.2	34.7	36.4	37.2	37.8	38.1
180	min	24.8	26.8	28.2	29.2	29.8	30.3	30.7
240	min	21.0	22.3	23.3	24.0	24.4	24.6	24.8
300	min	18.5	19.4	20.1	20.5	20.8	21.0	21.2
480	min	12.7	13.3	13.7	14.0	14.2	14.4	14.5
600	min	11.3	11.8	12.1	12.3	12.5	12.6	12.7
1200	min	6.01	6.26	6.44	6.56	6.64	6.69	6.72

- 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	65.9	82.5	93.7	102	107	110	111
30	min	40.6	48.4	55.8	60.3	62.5	64.0	64.5
45	min	32.0	37.9	41.7	43.9	45.4	46.4	47.0
60	min	30.3	33.0	34.9	36.1	36.9	37.4	37.7
90	min	19.6	22.4	24.5	25.9	26.8	27.4	27.8
120	min	17.3	19.1	20.5	21.5	22.0	22.3	22.4
180	min	12.2	14.1	15.5	15.7	15.8	15.9	16.0
240	min	10.5	11.3	11.9	12.3	12.5	12.7	12.9
300	min	9.44	10.0	10.4	10.7	10.8	10.9	11.0
480	min	6.38	6.78	7.13	7.28	7.34	7.37	7.39
600	min	5.79	6.02	6.20	6.32	6.40	6.44	6.46
1200	min	2.95	3.07	3.16	3.21	3.25	3.27	3.29

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%)

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