

## GE Series AGM Gel Battery

### MLX-GE-12V150

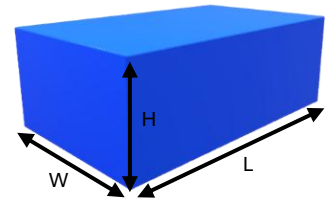


### Specification

Nominal Voltage	12 V
Nominal Capacity	150 Ah
Design Life	12 years
Terminal	M8
Approx. Weight	45 kg
Container Material	ABS
Rated Capacity	150 Ah > 10 Hour Rate (15.0A to 10.8V)
	119 Ah > 3 Hour Rate (39.5A to 10.8V)
	96.2 Ah > 1 Hour Rate (96.2A to 10.5V)
Internal Resistance	Fully charged at 25 °C: 3.60 mΩ
Max. Discharge Current	1800 A (5S)
Operating Temperature	Discharge: -20 °C ~ 60 °C
	Charge: -20 °C ~ 50 °C
	Storage: -20 °C ~ 50 °C
Charge Current	Max. 37.5 A; Recom. 15.0 A
Charge Method (25 °C)	Float Charge: 13.5-13.8V, Recom. 13.8V
	Equalize Charge: 13.8-14.1V, Recom. 14.1V
	Cycle Charge: 14.4-15.0V, Recom. 14.7V
Self Discharge	3% per Month at 25 °C

### General Features

- ✓ AGM separator
- ✓ Rich electrolyte with colloidal silica gel technology
- ✓ Improved charge acceptance capability
- ✓ Long Life
- ✓ Excellent performance in extreme temperatures



484(L) x 170(W) x 241(H), in mm

### Constant Current Discharge Characteristics Unit: A (25 °C)

FV/Time	15 min	30 min	1h	2h	3h	5h	8h	10h	20h
1.60V	275	168	99.0	56.8	41.2	27.7	18.2	15.5	8.15
1.65V	267	165	98.4	56.5	40.8	27.4	18.0	15.4	8.10
1.70V	261	162	97.7	56.0	40.2	27.1	17.9	15.2	5.01
1.75V	253	160	96.2	55.2	39.8	26.8	17.7	15.1	5.00
1.80V	236	153	93.8	54.2	39.5	26.1	17.6	15.0	7.98
1.85V	210	140	86.9	51.4	37.2	24.8	16.8	14.5	7.85

### Constant Power Discharge Characteristics Unit: W/cell (25 °C)

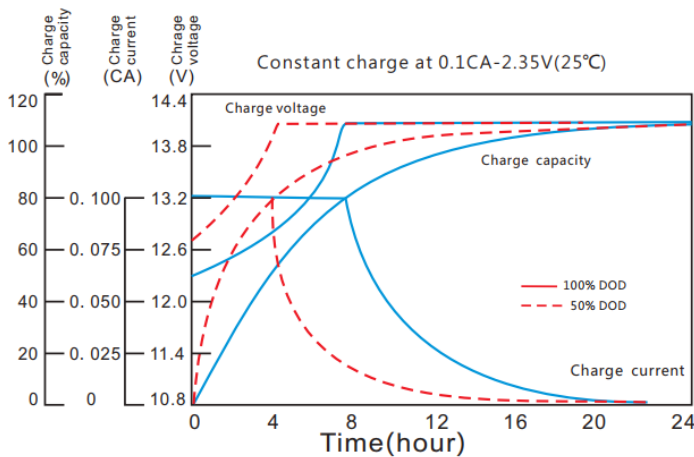
FV/Time	15 min	30 min	1h	2h	3h	5h	8h	10h	20h
1.60V	485	303	187	107	78.4	52.4	35.3	29.9	16.1
1.65V	477	300	186	107	77.4	52.1	35.0	29.6	16.0
1.70V	471	300	184	107	76.9	51.7	34.9	29.3	16.0
1.75V	468	299	183	106	76.5	51.4	34.6	29.0	15.9
1.80V	443	292	181	106	76.2	50.9	34.3	28.7	15.8
1.85V	396	267	168	101	72.5	48.5	33.1	28.2	15.7

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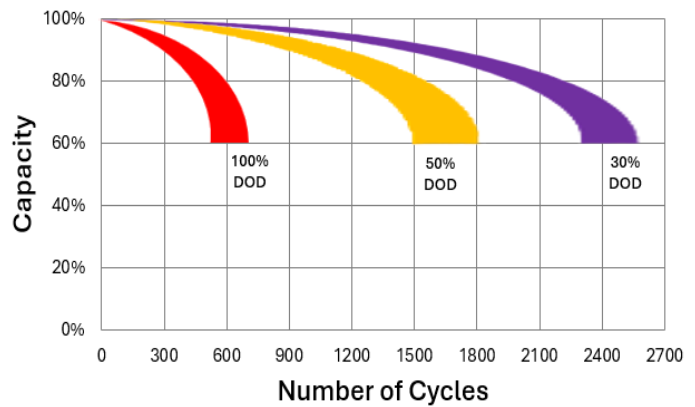
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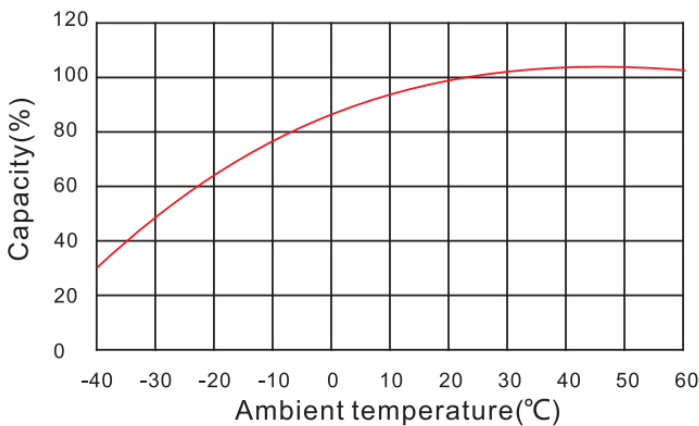
### Charging Characteristics



### Depth of Discharge versus Cycle Life



### Effect of temperature on capacity



### Voc by remaining capacity

