

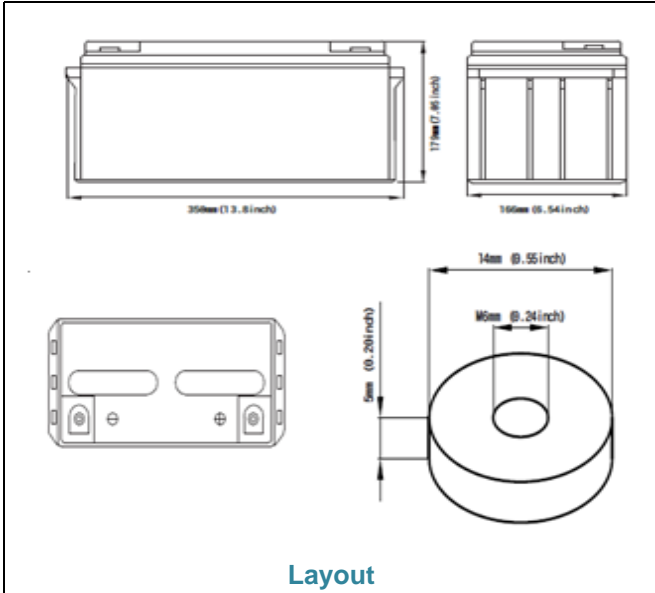
12V 65Ah - MBESL112 - AGM Battery



The battery is constructed by plates, separators, safety valves and container. Since the electrolyte is held by a glass mat separator and plates, the battery can use in any direction and position without leakage.

Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Life (Year)	5 years
Nominal Capacity 77°F(25°C)	
20-hour rate(3.25A,10.5V)	65Ah
10-hour rate(6.04A,10.5V)	60.4Ah
5-hour rate (11.08A,10.5V)	55.4Ah
1-hour rate(42.2A,9.6V)	42.2Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	7mΩ
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operation Temperature Range	
Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C
Max.Discharge Current 77°F(25°C)	500A(5s)
Short Circuit Current	975A



Dimensions and Weight (+/- 2mm)

Length (mm / inch).....	350 / 13.78
Width (mm / inch)	166 / 6.54
Height (mm / inch)	175 / 6.89
Total Height (mm / inch).....	175 / 6.89
Approx. Weight(Kg / lbs).....	20.0 / 44.0

Discharge Constant Current (Amperes at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
9.60V	228	182	130	74.8	53.3	42.3	22.8	16.5	11.2	7.35	6.11	3.32
9.90V	221	176	124	73.5	52.7	41.9	22.6	16.4	11.1	7.35	6.11	3.32
10.20V	208	163	117	71.5	52.0	41.6	22.4	16.3	11.1	7.28	6.05	3.25
10.50V	182	137	111	67.6	51.4	41.0	22.1	16.1	11.1	7.22	6.05	3.25
10.80V	163	117	104	58.5	50.7	40.3	21.5	15.6	10.9	7.22	5.92	3.19

Discharge Constant Power (Watts at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
9.60V	2484	1993	1436	870	608	488	262	190	129	85.4	71.4	39.0
9.90V	2383	1911	1357	839	601	480	261	189	129	85.0	71.0	39.0
10.20V	2270	1798	1294	800	593	480	258	188	128	85.0	71.0	38.6
10.50V	1989	1517	1222	753	585	472	255	186	128	83.9	70.2	37.9
10.80V	1775	1365	1151	651	577	464	247	181	127	83.9	69.1	37.1



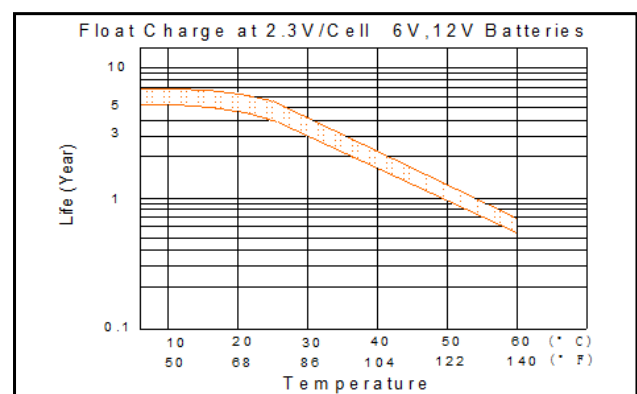
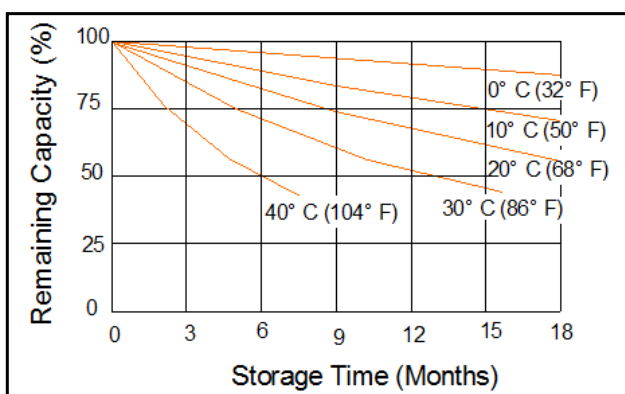
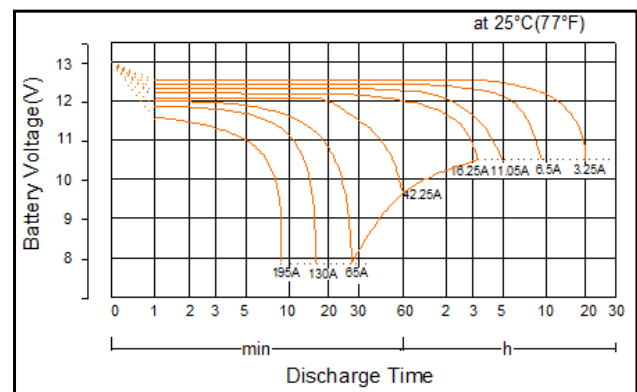
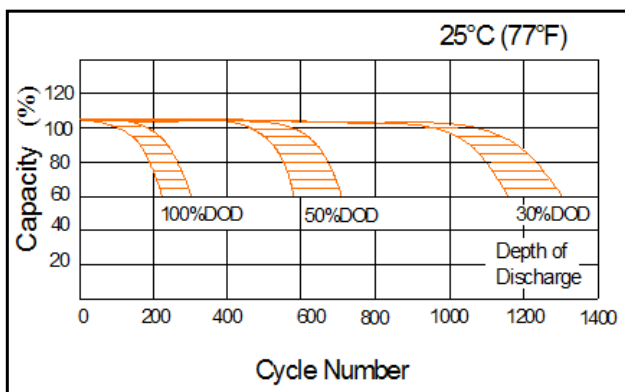
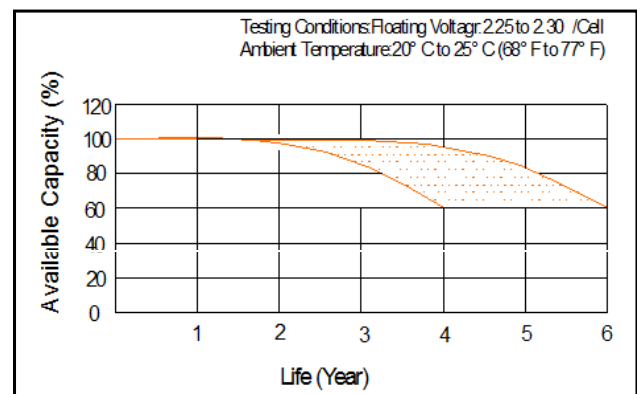
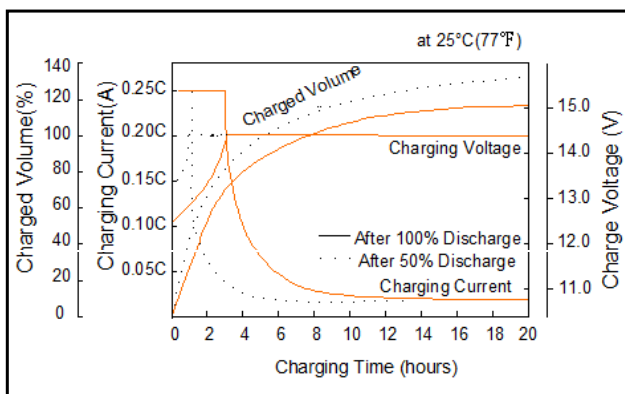
Battery Construction

COMPONENT	Positive	Negative	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
RAW MATERIAL	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

Charging Methods

Application	Charging method	Charging Voltage at 25° C	Temperature compensation coefficient of charging voltage	Max. charging current	Charging time 25°C(h)		Temp (° C)
					100% discharge	50% discharge	
For standby power source	Constant voltage & Constant Current	13.4-13.8V	-18 mV/° C	19.5A	24	20	0~40 (32~104° F)
For cycle service	Charging (with current restriction)	14.5-15.0V	-30 mV/° C	19.5A	16	10	

*Temperature compensation of charging voltage is not needed. When using the batteries within 15° C to 35° C range.



Braga Moro Offices

Braga Moro Headquarters

Via San Gregorio 12,
20124 Milan
Italy.
www.bragamoro.com

Braga Moro Sales Office

Via Ludwig Van Beethoven 24,
20092 Cinisello Balsamo. Milan.
Italy.
Tel: +39 02 51 67 22 01
Fax: +39 02 51 67 22 13
E-mail: sale@brgamoro.com

Braga Moro Office

Via Tenuta Piccirilli, 104
00188, Roma, RM
Italy.