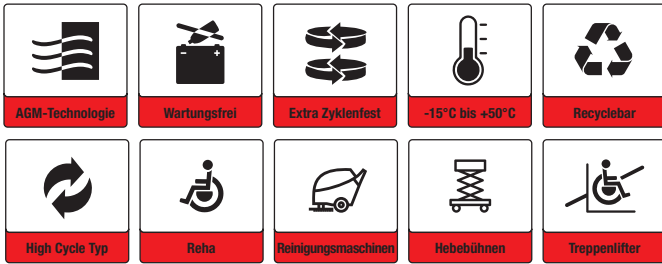


+max-

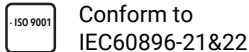
MB12-36HC(12V36Ah)



Applications

- Electric tools
- Vehicle in place of walking
- Lawn mowers
- Golf trolleys and golf cart
- Portable apparatus, lights and instruments;
- Electric toys
- Illumination light
- Fire alarms
- Portable power
- Wheelchairs
- Medical equipments

Certificates



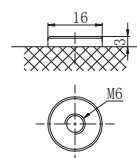
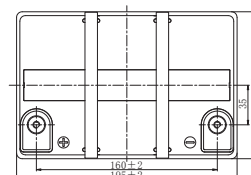
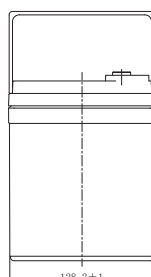
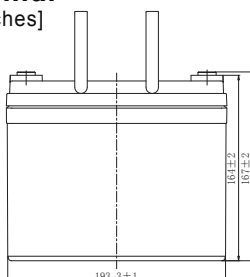
Specifications

Nominal Voltage	12V	Nominal Oper. Temp. R.	25±3°C
Nominal Capacity	35.94Ah (C ₂₀ , 1.60 V/cell)	Cycle Use	Initial Charging Current less than 9.9A. Voltage 14.4V~15.0V at 25°C. Temperature Coefficient -30mV/°C.
Approx. Weight	11.2Kg	Standby Use	Initial Charging Current less than 9.9A. Voltage 13.5V~13.8V at 25°C(77°F) Temp. Coefficient -20mV/°C
Terminal	M6	Capacity affected by Temp.	40°C 103% 25°C 100% 0°C 86%
Container Material	ABS	Self Discharge	MB batteries may be stored for up to 6 months at 25°C and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Rated Capacity (25°C)	35.94Ah/1.797A, 20hr, 1.60V/cell 33.44Ah/3.344A, 10hr, 1.70V/cell 30.55Ah/6.11A, 5hr, 1.70V/cell 27.48Ah/9.16A, 3hr, 1.70V/cell 22.92Ah/22.92A, 1hr, 1.60V/cell		
Max. Discharge Current	495A (5s)		
Internal Resistance	Approx. 10mΩ		
Operating Temp. Range	Discharge: -15~50°C Charge: 0-40°C Storage: -15~40°C		

Dimensions

■ M6 Terminal

Unit: mm [inches]



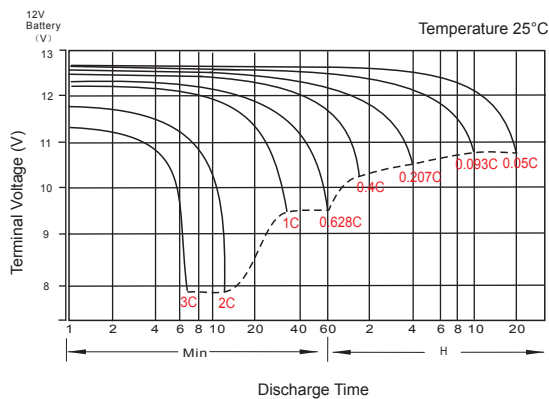
Constant Current Discharge (Amperes) at 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	114.45	78.45	60.39	48.85	35.96	26.28	21.53	12.25	8.74	6.89	5.86	5.02	3.96	3.235	1.711
1.80V/cell	123.08	83.17	63.37	50.80	37.07	26.99	22.05	12.48	8.89	6.99	5.95	5.10	4.01	3.278	1.731
1.75V/cell	129.66	86.50	65.47	52.21	38.03	27.58	22.50	12.71	9.03	7.08	6.02	5.16	4.06	3.310	1.750
1.70V/cell	135.79	89.98	67.66	53.73	39.01	28.20	22.92	12.90	9.16	7.18	6.11	5.22	4.10	3.344	1.764
1.65V/cell	140.49	92.50	69.33	54.84	39.69	28.65	23.27	13.04	9.25	7.25	6.16	5.27	4.13	3.368	1.778
1.60V/cell	149.04	96.42	71.71	56.47	40.76	29.36	23.79	13.30	9.42	7.38	6.26	5.34	4.19	3.411	1.797

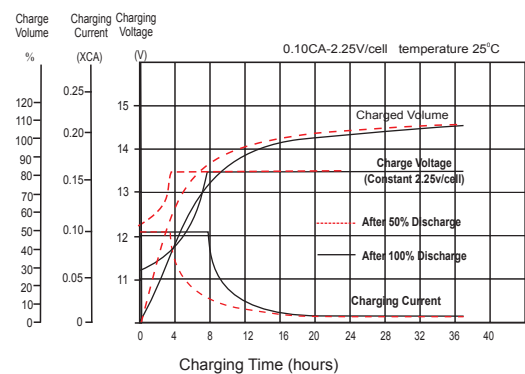
Constant Power Discharge (Watts/cell) at 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	216.50	149.32	115.64	94.11	69.51	50.99	30.63	23.99	17.19	13.58	11.58	9.93	7.84	6.427	3.422
1.80V/cell	230.56	157.19	120.61	97.33	71.34	52.18	31.17	24.38	17.44	13.75	11.73	10.08	7.95	6.510	3.462
1.75V/cell	240.31	162.34	123.85	99.50	72.86	53.11	31.64	24.75	17.67	13.91	11.86	10.18	8.03	6.567	3.500
1.70V/cell	249.18	167.65	127.21	101.82	74.37	54.09	32.11	25.06	17.89	14.08	12.01	10.28	8.10	6.632	3.528
1.65V/cell	255.68	171.44	129.95	103.70	75.52	54.81	32.45	25.29	18.05	14.19	12.09	10.37	8.16	6.675	3.556
1.60V/cell	266.04	176.44	133.50	106.26	77.17	55.83	33.00	25.70	18.33	14.41	12.26	10.49	8.27	6.754	3.595

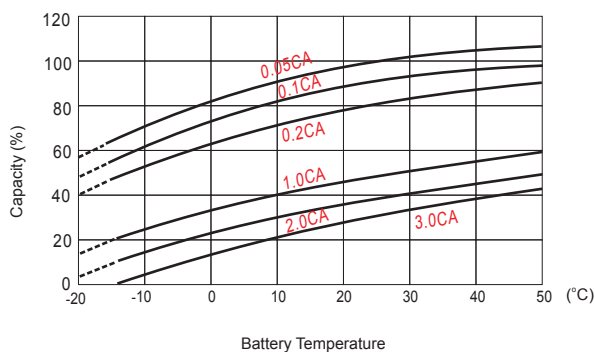
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

