



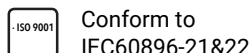
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MB12-9.5HC(12V9.5Ah)

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



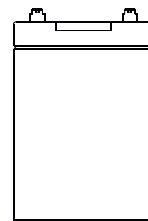
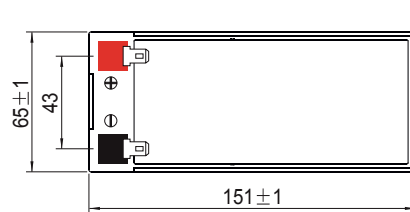
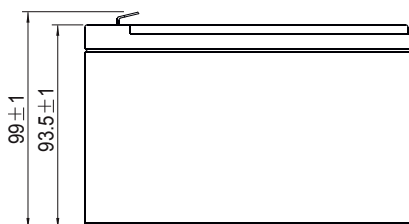
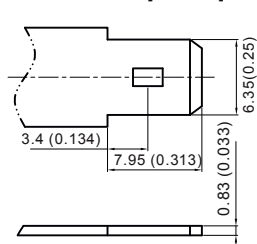
Specifications

Nominal Voltage	12V	Nominal Oper. Temp. R.	25±3°C
Nominal Capacity	9.5Ah (C ₂₀ 1.60V/cell)	Cycle Use	Initial Charging Current less than 2.4A. Voltage 14.4V~15.0V at 25°C. Temperature Coefficient -30mV/°C.
Approx. Weight	2.50Kg	Standby Use	No limit on Initial Charging Current Voltage. Voltage 13.5V~13.8V at 25°C(77°F) Temp. Coefficient -20mV/°C
Terminal	T2	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)	9.5Ah/0.475A, 20hr, 1.60V/cell 9.0Ah/0.9A, 10hr, 1.80V/cell 8.62Ah/1.72A, 5hr, 1.75V/cell 8.13Ah/2.71A, 3hr, 1.75V/cell 6.1Ah/6.1A, 1hr, 1.60V/cell		
Max. Discharge Current	108A (5s)		
Internal Resistance	Approx. 18.0mΩ		
Operating Temp. Range	Discharge: -15~50°C Charge: 0~40°C Storage: -15~40°C		

Dimensions

■ T2 Terminal

Unit: mm [inches]



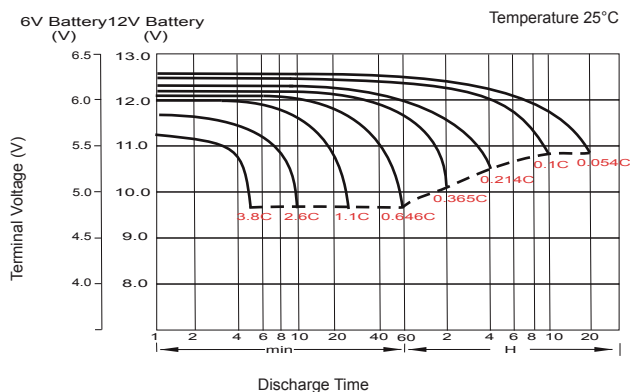
Constant Current Discharge (Amperes) at 25°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	10.5	9.89	8.6	7.1	5.67	4.8	2.65	2.44	1.87	1.68	1.49	1.28	0.92	0.455
1.80V/cell	13.5	10.7	10.3	7.56	5.9	5.02	2.77	2.59	1.89	1.69	1.51	1.3	0.9	0.457
1.75V/cell	14.8	11.7	10.8	7.8	6.04	5.23	3.12	2.71	1.92	1.72	1.53	1.33	0.92	0.458
1.70V/cell	16.1	12.5	11.2	8.17	6.2	5.61	3.51	2.78	1.97	1.75	1.562	1.35	0.93	0.46
1.65V/cell	17.4	13.3	11.7	8.56	6.42	5.8	3.82	2.9	2.01	1.77	1.58	1.37	0.95	0.462
1.60V/cell	18.9	14.2	12.0	8.88	6.7	6.1	4.23	3.14	2.16	1.78	1.6	1.4	0.96	0.475

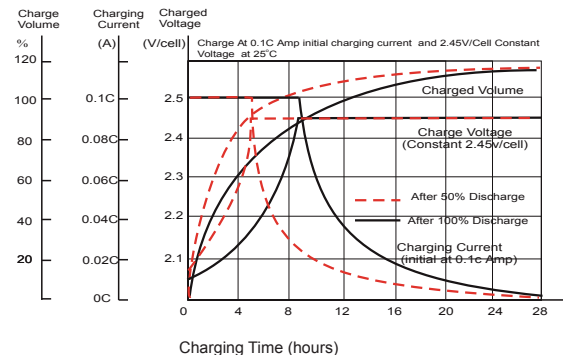
Constant Power Discharge (Watts/cell) at 25°C

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	19.7	16.7	14.8	10.7	8.57	6.98	4.35	3.4	2.76	2.25	2.18	1.78	1.45	0.812
1.80V/cell	24.8	19.9	17.2	12.5	9.89	7.77	4.72	3.64	2.93	2.41	2.21	1.82	1.48	0.84
1.75V/cell	26.9	21.5	18.3	12.9	10.2	8.1	4.88	3.7	2.99	2.47	2.3	1.838	1.5	0.86
1.70V/cell	28.9	22.8	19.2	13.4	10.6	8.33	5.06	3.79	3.07	2.52	2.34	1.842	1.52	0.867
1.65V/cell	31.0	24.1	20.3	14.1	10.8	8.58	5.19	3.95	3.17	2.59	2.4	1.86	1.546	0.89
1.60V/cell	33.1	25.5	21.4	14.7	11.2	8.82	5.33	4.05	3.25	2.66	2.43	1.869	1.57	0.94

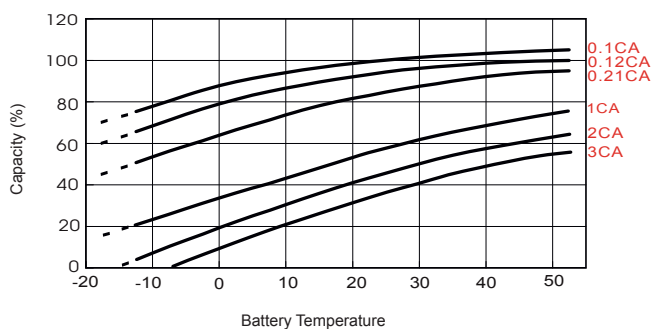
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Cycle Life in Relation to Depth of Discharge

