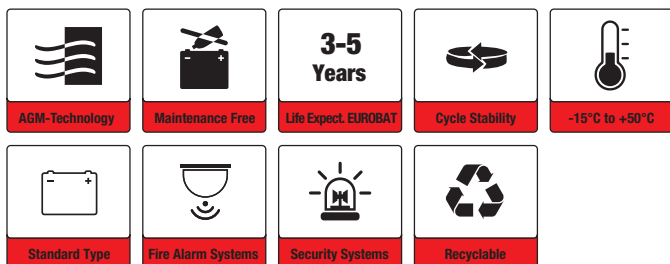


+max-

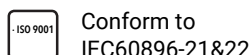
MB6-7(6V7Ah)



Applications

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

Certificates



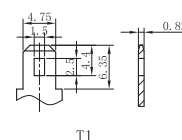
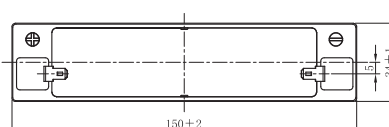
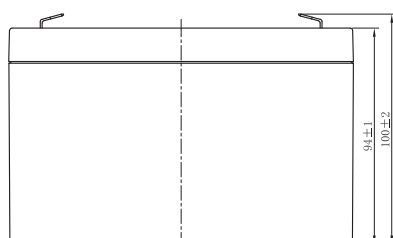
Specifications

Nominal Voltage	6V	Nominal Oper. Temp. R.	25±3°C
Nominal Capacity	7.5Ah (C ₂₀ 1.75V/cell)	Cycle Use	Initial Charging Current less than 2.25A. Voltage 7.2V~7.5V at 25°C. Temperature Coefficient -15mV/°C.
Approx. Weight	1.26Kg	Standby Use	Initial Charging Current less than 2.25A. Voltage 6.75V~6.9V at 25°C(77°F) Temp. Coefficient -10mV/°C
Terminal	T1	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)	7.50Ah/0.375A, 20hr, 1.75V/cell 7.02Ah/0.702A, 10hr, 1.75V/cell 6.15Ah/1.23A, 5hr, 1.75V/cell 5.43Ah/1.81A, 3hr, 1.75V/cell 4.83Ah/4.83A, 1hr, 1.60V/cell	Life expectancy	3-5 years according to EUROBAT
Max. Discharge Current	113A (5s)		
Internal Resistance	Approx. 20mΩ		
Operating Temp. Range	Discharge: -15~50°C Charge: 0-40°C Storage: -15~40°C		

Dimensions

■ T1 Terminal

Unit: mm [inches]



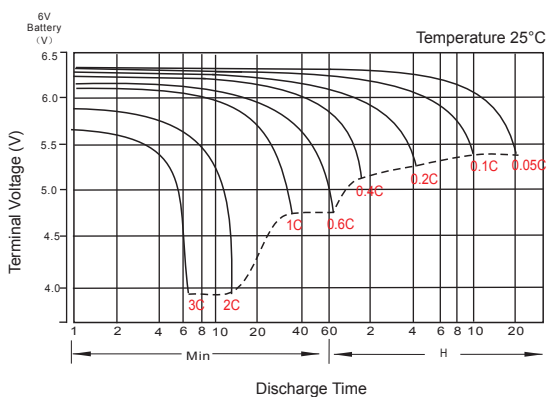
Constant Current Discharge (Amperes) at 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	23.4	16.0	11.9	10.1	7.45	5.37	4.37	2.46	1.75	1.38	1.20	1.04	0.826	0.682	0.367
1.80V/cell	25.2	17.0	12.5	10.5	7.68	5.52	4.48	2.51	1.78	1.40	1.22	1.05	0.838	0.693	0.371
1.75V/cell	26.6	17.6	12.9	10.8	7.88	5.64	4.57	2.56	1.81	1.42	1.23	1.07	0.848	0.702	0.375
1.70V/cell	27.8	18.3	13.4	11.1	8.08	5.76	4.65	2.59	1.84	1.44	1.25	1.08	0.860	0.709	0.378
1.65V/cell	28.8	18.9	13.7	11.4	8.22	5.86	4.72	2.62	1.86	1.45	1.26	1.09	0.869	0.717	0.381
1.60V/cell	30.5	19.7	14.2	11.7	8.45	6.00	4.83	2.68	1.89	1.48	1.27	1.11	0.878	0.722	0.385

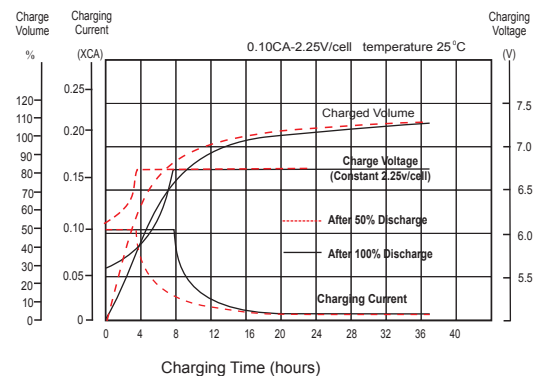
Constant Power Discharge (Watts/cell) at 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	44.4	30.4	22.9	19.5	14.4	10.4	8.50	4.83	3.45	2.72	2.37	2.06	1.63	1.35	0.733
1.80V/cell	47.2	32.0	23.9	20.2	14.8	10.7	8.68	4.90	3.50	2.75	2.40	2.07	1.65	1.38	0.742
1.75V/cell	49.2	33.1	24.5	20.6	15.1	10.9	8.83	4.98	3.54	2.78	2.42	2.10	1.68	1.39	0.750
1.70V/cell	51.1	34.2	25.2	21.1	15.4	11.1	8.96	5.04	3.59	2.82	2.45	2.13	1.70	1.41	0.756
1.65V/cell	52.4	34.9	25.7	21.5	15.6	11.2	9.08	5.09	3.62	2.84	2.48	2.16	1.72	1.42	0.762
1.60V/cell	54.5	36.0	26.4	22.0	16.0	11.4	9.24	5.17	3.68	2.88	2.51	2.18	1.74	1.43	0.770

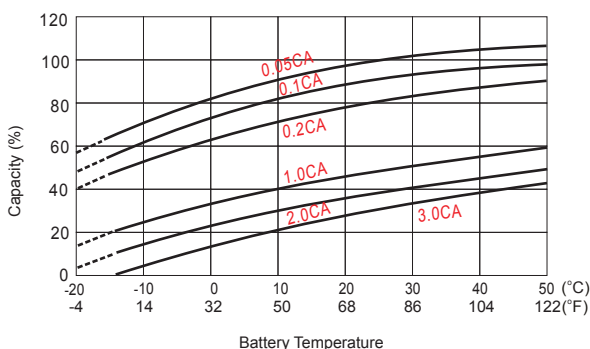
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

