

RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP36-12C

Nominal Voltage (V) 12V

Nominal Capacity

20hour rate (1.8A to 10.50V)	36Ah
10hour rate (3.6A to 10.50V)	34.2Ah
5hour rate (6.12A to 10.20V)	30.6Ah
1C (36A to 9.60V)	25.2Ah
3C (108A to 9.60V)	18.0Ah

Weight approx. 11.3kg (24.86Lbs.)

Internal Resistance (at 1KHz) 4 mΩ

Maximum Discharge Current for 30 seconds : 720A

Maximum Discharge Current for 5 seconds : 1440A

Operating Temperature Range

Charge	0°C (32°F) to 40°C (104°F)
Discharge	-15°C (5°F) to 50°C (122°F)
Storage	-15°C (5°F) to 40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 month	90%
6 month	80%

Charging Methods at 20°C (68°F)

Cycle use:
 Charging Voltage 14.4 to 15.0V
 Maximum Charging Current: 10.8A

Standby use:
 Float Charging Voltage 13.50 to 13.80V

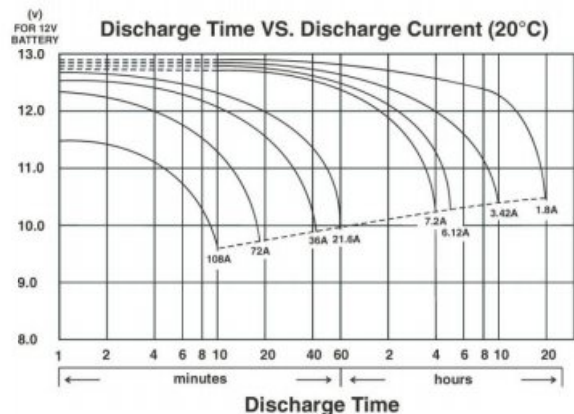
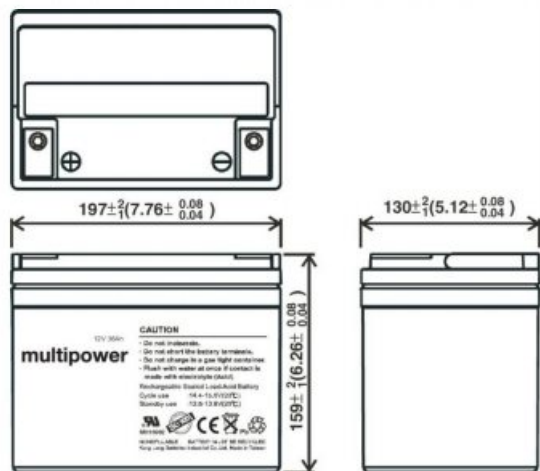
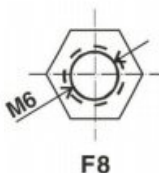
Life expectancy :
Cycle Use:
 100% depth of discharge 225 cycles
 80% depth of discharge 250 cycles
 50% depth of discharge 750 cycles

Standby Use: 3-5 years

Case Material ABS
 (Option: 94-HB & 94V-0 flame retardant case)

Terminal F8

mm(inch)



PERFORMANCE DATA
Discharge Rates in Watts to Various End Voltages at 25°C

Time \ End Voltage	11.40V	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
1 min	1419	1620	1652	1674	1715	1741	2063
2 min	1267	1439	1515	1564	1616	1650	1827
3 min	1154	1304	1388	1444	1494	1528	1640
5 min	997	1116	1197	1250	1294	1322	1377
7 min	890	988	1061	1108	1144	1168	1198
10 min	777	855	914	953	981	999	1013
15 min	653	710	753	781	799	810	816
20 min	571	614	646	666	678	684	689
30 min	464	492	508	518	523	524	530
60 min	310	319	317	315	311	307	317
90 min	213	225	231	234	235	236	237
120 min	170	180	184	186	187	188	189
180 min	121	129	132	133	134	134	135
240 min	94	100	103	104	105	105	105
300 min	77	82	84	86	86	86	87
360 min	65	70	72	73	73	73	73
480 min	49	53	55	56	56	56	56
600 min	39	43	44	45	46	46	46
1200 min	19	21	22	23	23	23	23