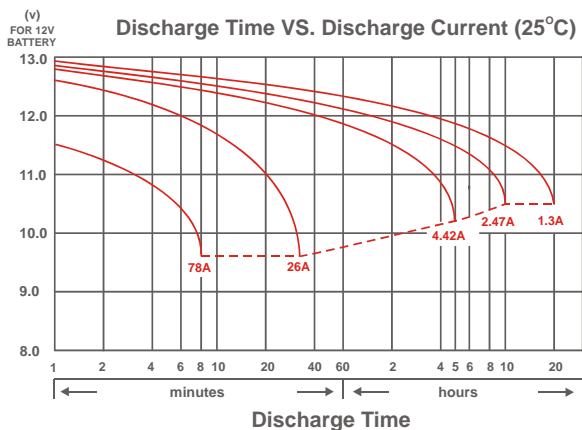
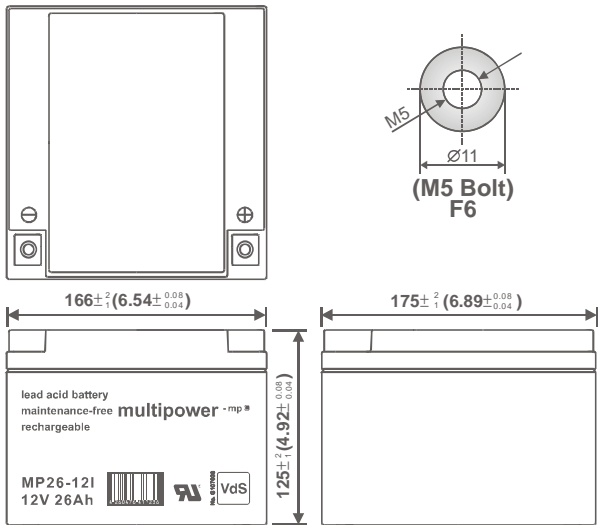


multipower - mp®

RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP26-12I

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(1.30A	to	10.50V)	26.00Ah
10 hour rate	(2.47A	to	10.50V)	24.70Ah
5 hour rate	(4.42A	to	10.20V)	22.10Ah
1 C	(26A	to	9.60V)	14.73Ah
3 C	(78A	to	9.60V)	10.40Ah

Weight Approx. 9.3kg (20.5lbs.)

Internal Resistance (at 1KHz) Approx. 9.5 mΩ

Maximum Discharge Current for

5 seconds: 390A

Charging Methods at 25°C (77°F)

Cycle use:	
Charging Voltage	14.7 to 14.8V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current:	7.8A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
Coefficient -3.0mV/°C/cell	

Operating Temperature Range

Charge	-15°C (5°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%

Case Material ABS UL94 HB

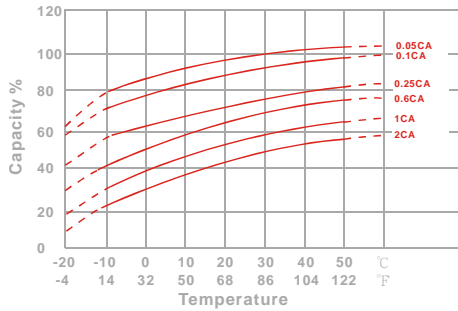
Terminal F6

Description of torque value of hard ware for the terminals:

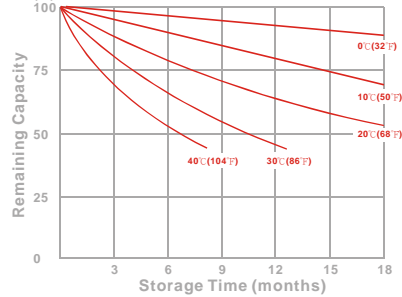
Recommended torque value	M5: 4 N·m (41 kgf·cm)
Maximum allowable torque value	M5: 6 N·m (61 kgf·cm)

CHARACTERISTIC & PERFORMANCE DATA

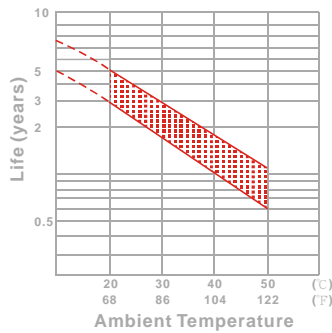
Effect of Temperature on Capacity 25°C (77°F)



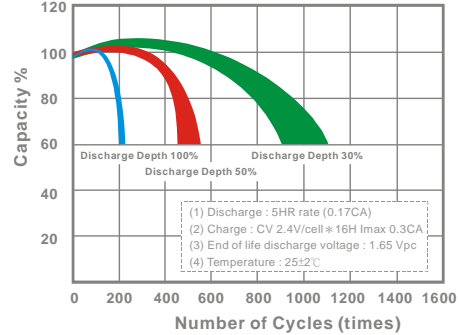
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts per Cell to Various End Voltages at 25°C (77°F)

Time	End Voltage	Discharge Rates (Watts per Cell)						
		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	134	157	170	177	183	189	194
10	min	104	114	119	124	129	131	133
15	min	75.6	88.5	95.6	98.9	101	103	104
30	min	42.3	45.3	47.2	48.7	49.7	50.5	51.3
60	min	29.6	30.8	31.8	32.4	33.0	33.5	33.9
120	min	18.8	19.4	19.8	20.2	20.5	20.7	20.9
180	min	12.5	12.9	13.1	13.3	13.5	13.7	14.0
240	min	10.1	10.3	10.5	10.6	10.8	10.9	11.0
300	min	8.59	8.77	8.91	8.96	8.99	9.01	9.02
600	min	4.80	4.90	4.94	4.97	4.99	5.01	5.03
1200	min	2.57	2.62	2.65	2.68	2.71	2.74	2.76

- Discharge Rates in Amperes per Battery to Various End Voltages at 25°C (77°F)

Time	End Voltage	Discharge Rates (Amperes per Battery)						
		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	70.1	79.7	87.6	91.1	94.1	97.0	99.1
10	min	55.6	62.7	64.8	66.1	67.4	68.7	69.9
15	min	43.8	45.7	48.8	49.8	50.7	51.6	52.5
30	min	25.2	27.8	28.9	29.8	30.5	31.1	31.7
60	min	15.0	15.6	16.2	16.5	16.8	17.2	17.5
120	min	9.12	9.35	9.60	9.70	9.80	9.89	10.0
180	min	6.32	6.45	6.59	6.73	6.87	7.00	7.13
240	min	5.37	5.48	5.54	5.60	5.65	5.70	5.74
300	min	4.38	4.46	4.51	4.55	4.60	4.64	4.69
600	min	2.40	2.44	2.48	2.49	2.51	2.53	2.55
1200	min	1.27	1.29	1.32	1.33	1.34	1.35	1.36

All data on the spec. sheet is an average value:

The tolerance range : $X < 6\text{min}$ (+15%~-15%), $6\text{min} \leq X < 10\text{min}$ (+12%~-12%), $10\text{min} \leq X < 60\text{min}$ (+8%~-8%), $X \geq 60\text{min}$ (+5%~-5%)