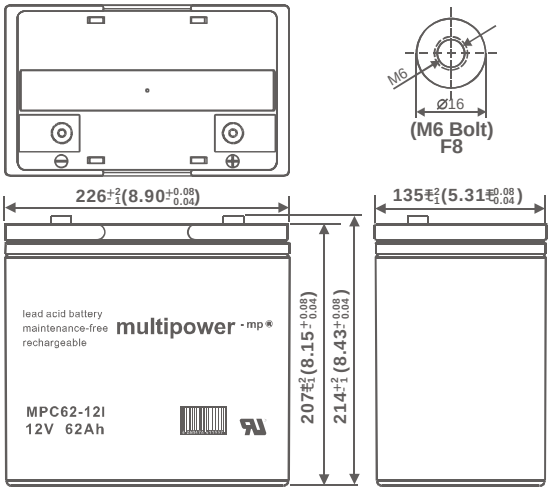
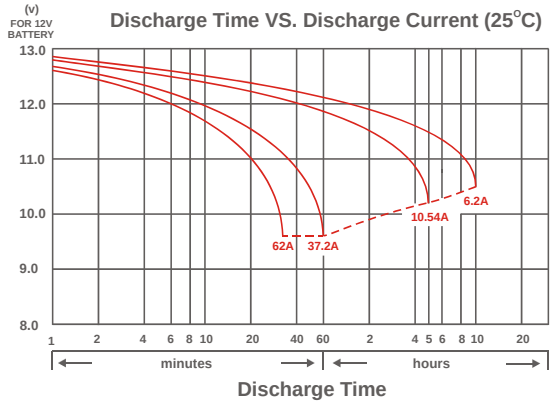
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RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION







MPC62-12I

Nominal Voltage(V) 12V

Nominal Capacity

10 hour rate	(6.20A	to	10.80V)	62.00Ah
5 hour rate	(10.54A	to	10.20V)	52.70Ah
1 hour rate	(37.20A	to	9.60V)	37.20Ah
1 C	(62A	to	9.60V)	35.13Ah

Weight Approx. 18.7kg (41.14Lbs.)

Internal Resistance (at 1KHz) Approx. 6.8 mΩ

Maximum Discharge Current for

5 seconds: 744A

Charging Methods at 25℃ (77℉)

Cycle use:

Charging Voltage 14.7 to 14.8V

Coefficient -5.0mV/℃/cell

Maximum Charging Current: 18.6A

Standby use:

Float Charging Voltage 13.5 to 13.8V

Coefficient -3.0mV/℃/cell

Operating Temperature Range

Charge	-15℃ (5℉)	to	40℃ (104℉)
Discharge	-15℃ (5℉)	to	50℃ (122℉)
Storage	-15℃ (5℉)	to	40℃ (104℉)

Charge Retention (shelf life) at 20℃ (68℉)

1 month	98%
3 month	94%
6 month	85%

Case Material ABS UL94 HB

Terminal F8

Description of torque value of hard ware for the terminals:

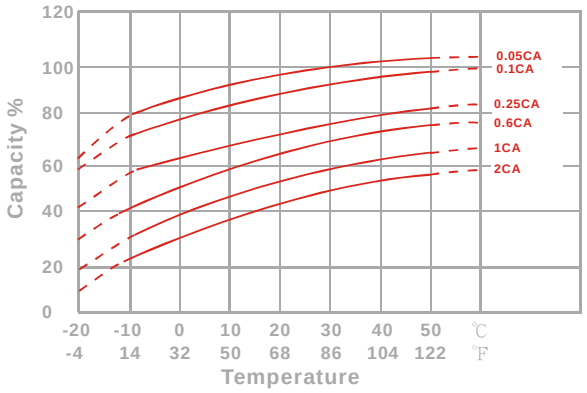
Recommended torque value	M6:	7	N-m	(71 kgf-cm)
Maximum allowable torque value	M6:	10	N-m	(102 kgf-cm)

JUL 2023

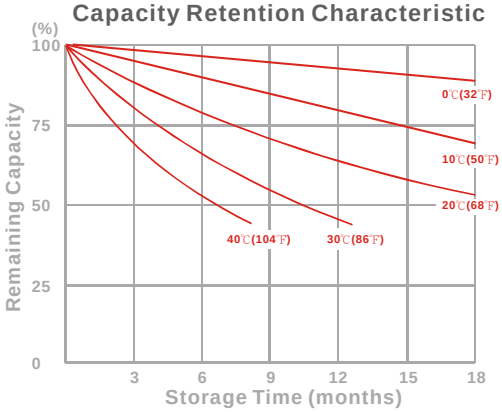
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CHARACTERISTIC & PERFORMANCE DATA

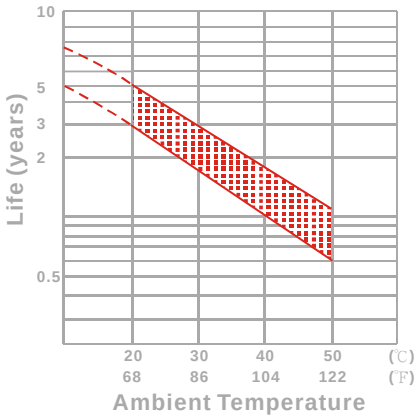
Effect of Temperature on Capacity 25℃(77℉)



Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life

