



M³X-54-1

P/N 33183-001



TECHNICAL DESCRIPTION

The model M³X-54-1 (P/N 33183-001) is a 19-cell Micro-Maintenance battery, with a nominal voltage of 24V, and a nominal capacity of 54Ah, at a weight of only 96 lbs. (max). The M³X-51-1 will provide an Imp (15-second discharge @ maximum power transfer) of 1400 amps at room temperature.

STANDARD WARRANTY: 2 years

APPLICATION

The M³X-54-1 is designed as a low-maintenance replacement for our 46 Ah TSP-46-1 batteries, offering both a higher capacity and lower maintenance costs.

The M³X-54-1 is currently PMA'd for the following applications:

Boeing Aircraft: 737-600, 737-700, 737-800
737-900, 747-400, 767-200

The M³X-54-1 provides significant maintenance-cost savings for Boeing 737 Next Generation applications.

PHYSICAL SPECIFICATIONS

Length: 10.93" max
Width: 9.76" max
Height: 11.40: max
Weight: 96 lbs.(94 lbs. typical)
Connector: MS3509

ELECTRICAL SPECIFICATIONS

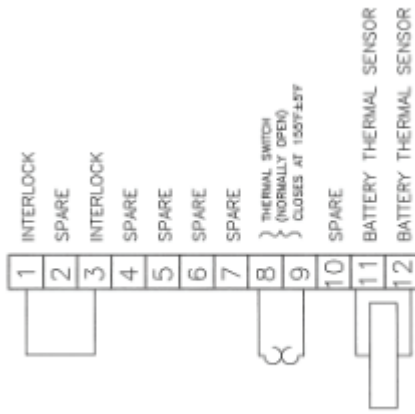
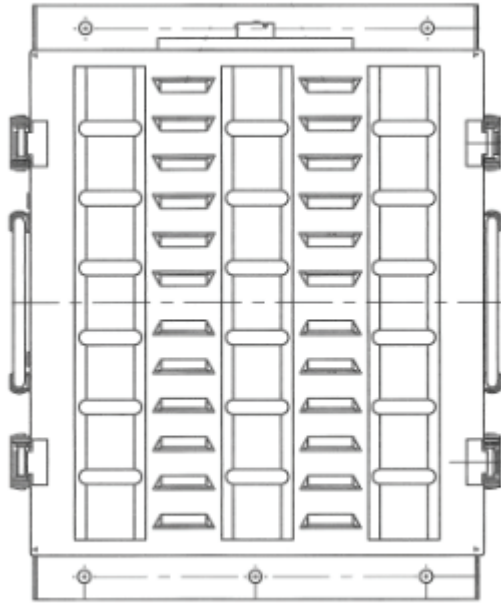
Voltage: 24.0 volts (nominal)
Capacity: 54Ah minimum (at C-rate)
Imp : 1400A @ 15 seconds
(Discharge current at maximum power transfer)

The Marathon Micro-Maintenance M³ battery is a greatly improved nickel-cadmium (Ni-Cd) battery that features:

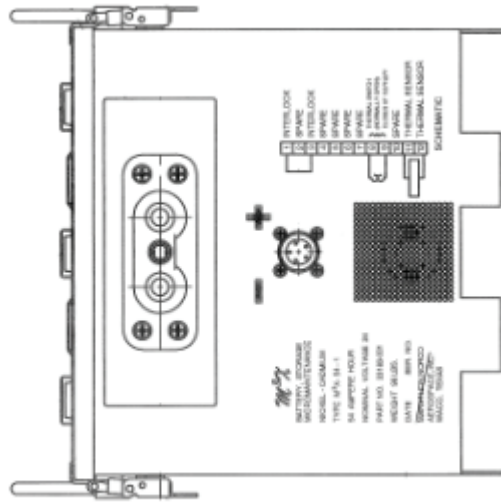
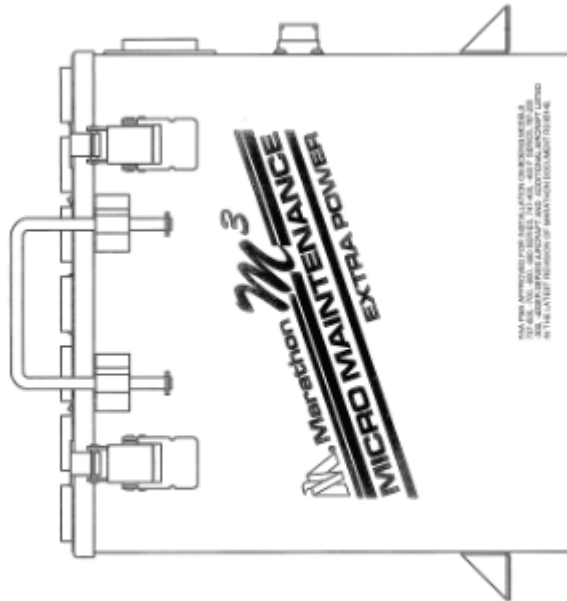
- Significantly Increased Maintenance Intervals
- Very Low Water Consumption
- Excellent Capacity Retention During Extended Cycling
- Same Physical Size As Standard Ni-Cd
- Same Weight As Standard Ni-Cd
- Better Capacity Than Standard Ni-Cd
- Same Or Better Power Than The Standard Ni-Cd

The battery incorporates a state-of-the-art negative pasted electrode that provides high volumetric and gravimetric energy density. This, along with the standard sintered positive electrode, provides a high capacity battery with excellent power. Other characteristics of the battery include our standard, internally threaded butt terminals, long life separators, nylon cell cases and covers. The design of the battery increases the electrolyte reserve to more than two times the standard Ni-Cd battery.

The M³ battery was designed to increase the battery maintenance interval. This design has reduced electrolyte consumption, coupled with an increased electrolyte reserve, results in a increased maintenance interval of two to six times.



MS24264R12B12SN
OR BA0C45FN12-12S
RECEPTACLE
OR AVIAL BS23135 SENSOR



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