

Application Note 136 BAT100 Rechargeable Battery Pack Instructions

Effective June 2011, the BAT100A replaces the BAT100; see the Hardware Guide for BAT100A details.

Overview

The BAT100 is a sealed lead-acid rechargeable battery pack and recharger designed to operate with the MP100 system. The battery pack comes in a handy carrying case equipped with a shoulder strap. The fully charged battery pack will operate an MP100 system for up to 48 hours. The battery pack can be recharged only when disconnected from the MP100. The BAT100 includes all necessary cables.



BAT100—Rechargeable MP100 Battery Pack

Battery Pack Specifications

Capacity:	12v @ 14 AH
Protection:	10 amp circuit breaker (self-resettable)
Output:	12 volt unregulated output
Charge Time:	15 hours
Recharge cycles:	500 (typical)
Weight:	5.6 kg
Size:	22cm(W) x 8cm(D) x 24cm(H)

Battery Recharger Specifications

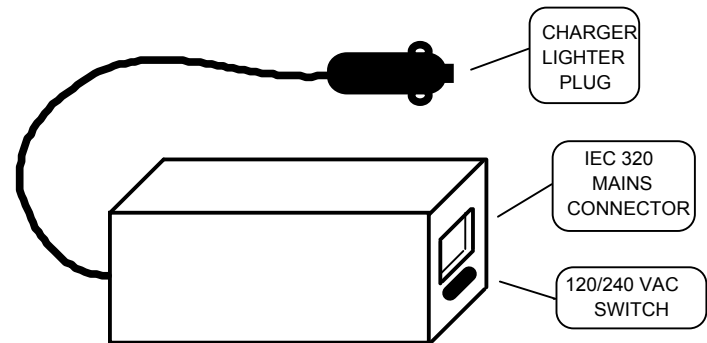
Output:	14 v @ 1.0 Amps (includes battery overcharge protection)
Input:	110 Vac /60 Hz or 240 Vac /50 Hz (switch selectable)
Weight:	1 kg
Size (LxHxW):	13 cm x 7.5 cm x 9 cm

MP100 Battery Cable Specifications

Construction:	Self Coiling Type
Length:	2 Meters (extended)
Indicator:	Red LED (power on)



MP100 Battery Power Cable



Battery Pack Recharger

Operation

- 1) Do not insert any object other than the included lighter plugs into the Battery Pack lighter socket.
- 2) Discontinue use of the Battery Pack when the performance of the MP100 begins to deteriorate. At this point, or within 24 hours, start to recharge the Battery Pack as per the following instructions.

Charging the Battery Pack

! Do not operate the MP100 System while charging the Battery Pack.

! Avoid charging the Battery Pack for more than 24 hours.

- 1) Disconnect the Battery Pack from the MP100 System (unplug the MP100 Battery Power cable from the Battery Pack).
- 2) Insert the Battery Recharger lighter plug into the Battery Pack lighter socket.
 - For 240V/50Hz operation, be sure to flip the mains voltage selector on the Battery Recharger to the appropriate position.
- 3) Charge the Battery Pack 16 to 24 hours following each use.

Storage

- 1) Always store the Battery Pack in a fully charged condition.
- 2) Store the Battery Pack in a cool place (normal room temperature or lower).
- 3) Recharge Battery Pack every 6 months when not in use.