

# RF80-M® Aircraft Battery Charger/Analyzer



The NEW CHRISTIE® RF80-M® Aircraft Battery Charger/Analyzer is the latest evolution of the popular RF80 series which has been the worldwide industry standard for decades. The RF80-M is the first product of its kind to feature an advanced microcontroller with touch-screen display. The optional ABMS-10X PC Interface provides PC control, data-logging, diagnostics and expanded battery processing capabilities.

## Features:

- 7 Inch Touch Screen Display
- Optional PC Interface
- Up to 80 amps ReFLEX® Charge, 60 amps CC/CP Charge and 60 amps Discharge
- Manual Mode
- Program Mode
- Constant Current, Constant Potential and ReFLEX® charge modes
- Alarm signals at each end of task
- Programmable Alert
- Proven RF80-K Power Section
- DigiFLEX Analysis
- Enhanced safety features
- CE tested and certified

## Benefits:

- Intuitive, easy to use, and large bright display of volts, amps and time
- Compatible with ABMS-10X Battery Management System for PC control, individual cell monitoring, temp sensing, data-logging, diagnostics and expanded battery processing capabilities
- Fully compatible with all battery manufacturer's component maintenance manuals
- Allows single or multiple charge/discharge tasks to be run in sequence
- Battery parameters may be stored and custom task sequences saved for automatic processing
- The only charger/analyzer offering all 3 charge modes including ReFLEX for fast charging.
- Audible alert notifies operator when task is complete
- User may program an alert as a reminder to check or water battery
- Rock solid, reliable design
- Visual Indication of Battery Processing Status
- Built-in limits for charge/discharge current values, times and termination
- Complies with international electrical safety standards

# RF80-M<sup>®</sup> Aircraft Battery Charger/Analyzer



Charge Time Remaining

DigiFLEX<sup>®</sup> Display

PAUSE Button



Battery Voltage

Function In Process

Functions Pending



Current

Discharge Time Elapsed

Cell Voltage

## Mechanical

18.55 inches (47.12 cm) wide  
 11 inches (27.94 cm) high  
 21.5 inches (54.61 cm) deep  
 Weight: 145 pounds (65.90 kg)  
 Case material: Steel  
 Front Panel: Steel w/polyester overlay

## Electrical Input

Input Voltage: 187 to 250 VAC, single phase  
 Frequency: 47 to 63 hertz  
 Current: 25 amps maximum  
 Power Switch: Opens both sides of line

## Electrical Output

Charge ReFLEX: 2-80 amps  
 Charge, constant current: 1-65 amps  
 Charge, constant potential: 2-65 amps  
 Discharge, constant current: 1-60 amps

## Touch Screen—Display

7 inch color-resistive touch screen  
 800 x 480 resolution  
 Current: 80.0 amps full scale +/- 2%  
 Voltage: 50.0 volts full scale +/- 2%  
 Cell Voltage: 5 volts full scale +/- 2%  
 DigiFLEX: 10 segment red/green trend bar  
 Time: Elapsed / Remaining

## Environmental

Non-operating  
 -40F +159F (-40C +71C)  
 Operating  
 +32F +122F (0C +50C)

## CE Tested and Certified

Christie Distribution & Service Center, Marvel Aero International, Inc.  
 Tel: +1 949 829 8264 Fax: +1 949 829 8394  
 www.christiecbcs.com www.marvelaero.com

**CHRISTIE<sup>®</sup>**