

# Model 5605 Battery Maintenance System

- Determines Battery Capability
- Reverse Battery Polarity Protected
- Intelligent, Microcontroller Technology
- Charge/Discharge-Charge Cycle



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**DESCRIPTION:**

The Model 5605-00 Battery Maintenance System is an intelligent, micro-controller based charge/discharge system and designed for charging 12 Volt DC lead acid batteries with ratings of up to 40 amp hour capacity. It is used to test the ability and fully characterize a battery. The 5605-00 will test and determine if the battery will accept and hold a specific charge prior to placing it in the field.

The discharge time is recorded and can be displayed on the unit's LED display. There is also an LED to indicate the operating mode. During a cycle, the voltage, current, or elapsed time can be displayed.

When charging, the Model 5605-00 will limit the current to the battery according to the manufacturer's specifications. This results in the minimum charge time for the battery.

The charging continues until the current reaches some minimum specified by the manufacturer of the battery, at which point the 5605-00 breaks the connection from the battery. When discharging, a 3.75 Ohm load is connected across the battery and the voltage is monitored. When it declines to some final value, as specified by the battery manufacturer, the 5605-00 will automatically disconnect the load from the battery. Then a final charging cycle completes the sequences.

**SPECIFICATIONS:**

|                               |   |
|-------------------------------|---|
| Batteries Supported . . . . . | 2.3, 4, 5, 7, 8, 9.5, 10, 12, 18, 22, 24, 40 Ah               |
| Charging Voltage . . . . .    | 14.5 VDC charging current up to 5 Amps                        |
| Cycle Begins . . . . .        | Start switch pressed  |
| Cycle Ends. . . . .           | Battery is fully charged or has been disconnected by the user |
| Display. . . . .              | 3 Digit, front panel selectable, 9 LED indicators             |
| Output Current. . . . .       | 0 to 5 Amps   |
| Voltage. . . . .              | 0 to 14.5 VDC   |
| Discharge Load. . . . .       | 3.75 Ohms   |
| Power Input . . . . .         | 110 VAC, 60 Hz only, 150 watts                                |
| Enclosure. . . . .            | Aluminum cover, bottom chassis steel                          |
| Dimension. . . . .            | 8 x 8.5 x 5 in (20.3 x 21.6 x 12.7 cm) (W x D x H)            |
| Weight . . . . .              | 6.25 lbs (2.8 kg)   |
| Shipping Weight . . . . .     | 10 lbs (4.5 kg)   |

**ORDERING GUIDE:**

|                        |  |
|------------------------|--|
| Model 5605-00. . . . . | Battery Charger/Discharger; Includes 110 Volts Maintenance System for 12 VDC Batteries, 2.3 to 40 Amp Hour Capacity, 4 ft (1.22 m) Power Cable with Battery Clips. |
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02-5605-00(D)

**Environmental Monitoring Solutions**

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