The Powerful Advantage Since 1945

laMARCHE®

ISO 9001:2015 CERTIFIED

RH-3 SERIES

ELECTRONIC BATTERY TESTER

Shown above: RH3-500W-10/60V-50A

The La Marche RH-3 Battery Tester is an electronic battery capacity tester that measures Amp-Hours and battery performance under controlled test conditions. The RH-3 Tester is offered in 500W and 750W models and can be operated in several test modes, which provides the flexibility to test each battery according to its own ratings or the application requirements.

The advanced settings on the RH-3 Battery Tester provide the capability to perform multiple charge/discharge cycles on the battery while a battery charger is connected to the system. The RH-3 configurations and data logging capabilities allow the user to save files for several batteries identified by a designated ID number. The detailed charging and discharging parameters assist the user in determining the health and condition of the battery. The data log files are easily accessible through the front panel USB port.

Standard Features

Capacity Measurement
Monitors the battery's voltage, discharge current and Amp-Hrs drawn as it measures the time it takes to discharge the battery under specific load

Wide Operating Range
Accommodates a wide range of battery voltages (10V-60V)

Dual Test Modes
Tests the battery with either a Constant Current (CC) or Constant Power (CP) loads

Selectable Test Termination Modes
Battery End Voltage, Elapsed Time or Maximum Amp-Hrs drawn

Multiple Battery Test Cycles
Automatically initiates battery tests after fully charged

Data Logging
Maintains a CSV log file for each battery, which keeps track of charge and discharge cycles

Self-Powered
Powered from the battery being tested (no connection to AC power grid)

Reverse Polarity Protection
Internal fuse protection against reverse battery connections

Optional Accessories

11W External Temperature Probe (24ft)

Specifications subject to change without notice

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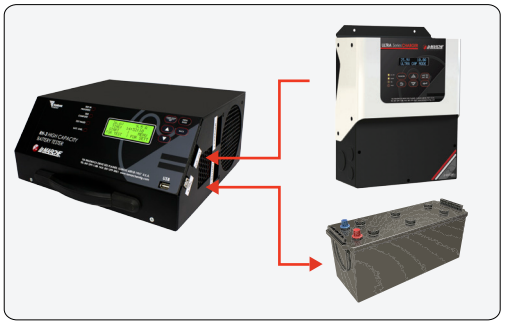
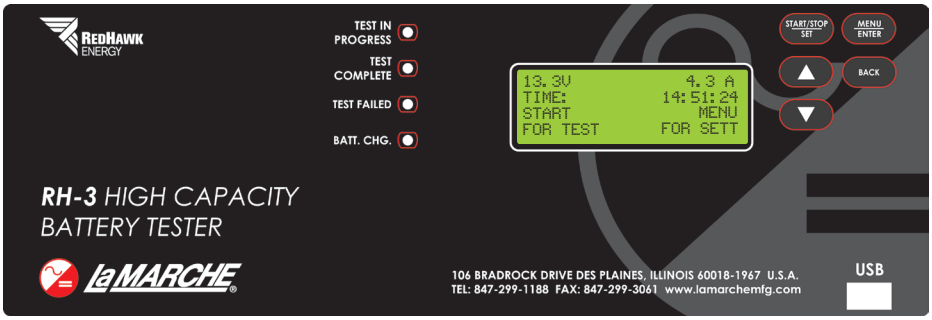
P25-DSRH3-1
ECN 22445
01/20

Specifications	
Input Voltage Range	10V - 60V
Test Modes	Constant Current Constant Power
Termination Condition	End of Voltage Maximum Amp Hour Drawn Elapsed Time
Max. Discharge Current	50A | 75A
Max. Discharge Power	500W | 750W
Discharge / Charge Parameters	Voltage | Voltage % Current | Amp-Hrs Power | Watt-Hrs Temperature Elapsed Time
Data Logging	Up to 99 Battery Log Files
FAN Operation Based on Thermal Sensing	Yes
Protection	Battery Reverse Polarity Battery Over Voltage Thermal Shutdown Internal Device Failure Shutdown
Internal Memory	Up to 8GB
External Port	USB
User Interface	LCD Display and LED Indicators
Operating Temperature	0 - 40°C (32 - 104°F)

Model Number	Case No.	Overall Dimensions W x D x H	Weight	
			lbs	kgs
RH3-500W-10/60V-50A	120	12.32" x 12.00" x 5.67" 313mm x 305mm x 144mm	22	10
RH3-750W-10/60V-75A	120A	13.27" x 11.15" x 6.70" 337mm x 287mm x 178mm	25.5	11.5

Diagram



Front Display