

**BID &
BID w/AH Accumulator
Battery Identification Device**



BID KIT



AH ACCUMULATOR BID

BID (Battery Identification Device)

Used to provide detailed information about the battery to the charger control, Prestolite Battery Identification Modules are an invaluable addition to your motive power batteries. Using the charger control Identification numbers, voltages, amp hour sizes, start rates and construction types can all be easily programmed into a BID module. Additional information relating to the battery voltage, temperature and amp hour usage may be read on demand from the BID. Often this information is critical for warranty claims and service issues.

Temperature remains one of the biggest causes of shortened battery life.

The BID, used in conjunction with a controlled output charger, will enable the charger control to provide the optimum temperature compensated charge profile (from 32° F to 158° F). In fact, we strongly suggest using the BID module on all opportunity or fast charge applications. With the elevated output currents of our opportunity/fast chargers, it is more important than ever to make sure you can carefully monitor your battery.

With it's rugged construction, wide operating temperature and non-volatile memory the BID will likely outlast the battery.

All communication of data is completed through the use of standard charging cables and connectors eliminating to need for any special wiring or SBX connectors.

AH ACCUMULATOR BID

The AH Accumulator BID continuously samples both charge and discharge current over 100 times each second, capturing and storing every AH of battery throughput, including fast transient truck controller regeneration currents. This AH data and the battery average temperature can be quickly retrieved from the Ultra Maxx, PowerStar Plus, and Eclipse II Series front panel display, allowing the user to gauge the remaining battery life and utilization. In both fast and opportunity charging scenarios, amp hour throughput information is vital for warranty purposes.

Additionally when using the AH Accumulator, the charger control will also give access to the number of battery discharge cycles, based on the total discharge amp hours and 80% of the BID amp hour setting. The Charge / Discharge Ratio is also available and is based on the ratio of the total charge amp hours over the total discharge amp hours.

Standard BID Kit Part Numbers:

194304-001 6-18 cells
194304-002 24 cells
194304-003 36 cells
194304-004 40 cells

BID / Amp Hour Accumulator Kit Part Numbers:

197348-001 6-18 cells
197348-002 24 cells
197348-003 36 cells
197348-004 40 cells

All installation hardware and instructions are included in every kit. Field installation is accomplished in a small amount of time using a minimum of tools. The BID functions are available on the AC2000 control (Ferro), UC2000 control (Ultra Charge / Maxx), the SCR2000 control (Powerstar and PowerStar Plus), and EC2000 control (Eclipse II Series). Amp Hour Accumulator functions are available on the Ultra Maxx, PowerStar Plus, and Eclipse II Series controls. These products are warranted for 1 year.

