PSC-10A PROGRAMMABLE SMART CHARGER

Albércorp.

Since 1972, ALBER has been known as the industry leader in the design and manufacture of "Storage Battery Test Equipment." Today, through visionary technology, ALBER continues to set standards for new product development. Commonly referred to as "The Battery Test Experts," in addition to manufacturing, ALBER also provides specialized technical training programs both publicly and privately.

Features

- 10 Amp Maximum Charge Current
- 2.85 Volt Maximum Output Voltage
- 1.80 to 2.64 VDC Output Voltage
- Hardware Overcurrent Protection
- Hardware Overvoltage Protection
- Hardware Polarity Detection
- Fail-Safe Relay Circuits
- Relay Disconnect on Power Failure
- Programmable Equalization Time
- Programmable Float Charge Time
- Heavy Duty Enclosure
- Data Logging of Charge Events
- Built In LCD Display and Keypad

Model PSC-10A Programmable Smart Charger

System Description

The PSC-10A is a programmable Smart Charger designed for use in applications where it is necessary to give a single cell a boost or equalization charge. This charge may be required to bring a single cell up to an average of cells in an active string, or may be used on cells that are considered spare (not installed in an active battery string).

A self contained control unit and data logging device, the PSC-10A has an internal memory to log the voltage at beginning of cycle, voltage at equalization, and voltage at end of cycle. In addition, it will log ten measurements across equal time divisions throughout the equalization period. The charge cycle can only begin when all connections are confirmed to be connected correctly by the controller. Once the charge cycle begins, the charger can be manually shut down in the event of an emergency by simply pressing the "Mode" and "Start" keys simultaneously.

Data is displayed on an LCD graphic display along with the profile of the test being displayed. The user may then manipulate the display by using one of four "select" buttons.

The PSC-10A is built on a single PC board and is housed in a metal, air cooled enclosure. Completely self contained, the device is AC powered and fully isolated from the line power by use of an isolation transformer. Small and light weight, the unit is sold complete with leads terminated with the user's choice of "Kantwist," "Spring Loaded Jaws" or "Lug Style" terminations to the cell being charged.

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