

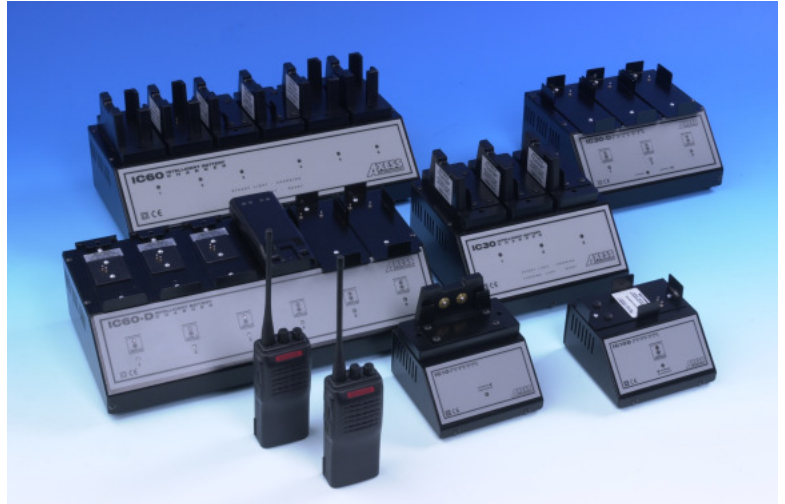


INTELLIGENT BATTERY CHARGER/DISCHARGER

The Axess IC and ID series six, three and single battery charger and charger/dischargers are designed to provide low cost charging solutions for a wide variety of battery powered devices. The chargers, micro-processor controlled, are suitable for use with NiCad and NiMH batteries in the range of 4.8v to 12v. They are constructed using a robust steel case and have interchangeable holders suitable for a wide variety of batteries.

The three and six battery units are bench or wall mountable, all models have an internal switch mode, power supply and are CE approved. The PCB assemblies are rigidly mounted in the case with connections made with plug-in type connectors to enable the simple replacement of the control PCB in the field if necessary.

Each channels charge rate can be separately set for optimal charging, enabling each channel to have a different battery type if required. The manufacturing process enables customised versions of the chargers to be produced without great cost implications, so whatever the charging requirements, please enquire.



SPECIFICATION

Charge Control

Three independent outputs per PCB, each with green LED indicator.
Constant current bulk charge with -dv/dt charge termination.
Output current per channel adjustable from 400 to 1000mA.

Charge Termination

Inactive during first 5 minutes of each charge.
Rapid charge termination on 50mV drop in voltage. Override shutdown 4 hours after start of charge if -dv/dt not sensed.

Indication

One green LED per output
Off = No charge
On = Fast charge
Flashing = Trickle charge
1D models - red LED = Discharge

Trickle Charge

Trickle charge after fast charge termination, 1/20th of set current.

Discharge Cycle - ID models only

When selected the red LED illuminates and the battery discharges into a 27 Ohm load to 1.05v per cell to give discharge rates -
9.6v Batteries 355 mah
7.2v Batteries 226 mah
6v Batteries 222 mah
The discharge is followed by an auto recharge cycle

Protection

Short and open circuit shutdown
Charge cycle starts on sensing 2 to 12v on battery terminals
Independent watchdog (processor failure) shutdown timer
AC input to PCB fused

Electrical Specification

Switching frequency 30KHz
AC input to PCB RMS on load
20VA maximum input per channel
Transformer input AC 230v +/- 10%, 50 or 60Hz

Dimensions - excluding holders

IC60 - W=414MM, D=206mm, H=95mm
IC30 - W=133mm, D=130mm, H=65mm
IC10 - W=215mm, D=206mm, H=95mm

FOR FURTHER DETAILS PLEASE CONTACT SALES ON

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Web site: www.axessinternational.com