30V DC 3A / 5A / 10A STANDARD BATTERY TRIP UNIT WITH VENTED NICKEL CADMIUM BATTERIES

A) CHARGER UNIT:

**QUANTITY**: 1

**INPUT**: 110/230/250V AC 1 PHASE 50Hz AC INPUT VOLTAGE SELECTABLE BY MANUALLY CHANGING TAPS ON THE TRANSFORMER

**OUTPUT**: 30V DC NOMINAL

**FLOAT VOLTAGE**: 34.08 DC (24 CELLS @ 1.42VPC)

**BOOST VOLTAGE**: 37.20 DC (24 CELLS @ 1.55VPC)

**CHARGER RATING**: 3A DC CONTINUOUS

**STANDING LOAD**: 1.0A DC MAX RECOMMENDED

**CHARGER TYPE**: TRANSISTORISED CONSTANT VOLTAGE CURRENT LIMIT (CVC)

**SMOOTHING**: 5% RMS

**REGULATION**: +/- 10% MAINS VARIATION <= +/- 1% ON DC OUTPUT

**MAJOR COMPONENTS**: AC INPUT PROTECTION FUSE, MAINS ON/OFF SWITCH, DOUBLE WOUND MAINS TRANSFORMER, DC SMOOTHING CAPACITOR, SP116 RECTIFIER CONTROL MODULE, BRIDGE RECTIFIER, ST60 (60mm) DC AMMETER, ST60 (60mm) DC VOLTMETER, OPTIONAL ITEMS: FLOAT/BOOST SWITCH, INPUT/OUTPUT TERMINALS

**ALARMS**: DC OUTPUT PROTECTION FUSE, INPUT/OUTPUT TERMINALS

**CABINET**: SHEET STEEL FLOOR STANDING (OR WALL MOUNTING ON REQUEST)

**FINISH**: POWDER COATED LIGHT GREY G29 TO SABS1091 WITH STRUCTURED FINISH (ALTERNATIVELY LIGHT ORANGE B26)

B) BATTERY SYSTEM:

**QUANTITY**: 1 x SET OF 24/25 SERIES CONNECTED CELLS

**BATTERY TYPE**: VENTED POCKET PLATE NICKEL CADMIUM

**DESIGNATION**: SAFT TYPE KPZ10 (OR EQUIVALENT)

**CAPACITY**: 10 AMP - HOUR AT THE 5 HOUR RATE

**DESIGN LIFE**: 20 YEARS

***ENDS***