



DATA SHEET NO 1

**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
ALARMS	:OPTIONAL ITEMS :FLOAT/BOOST SWITCH :DC OUTPUT PROTECTION FUSE :INPUT/OUTPUT TERMINALS
CABINET	:SHEET STEEL FLOOR STANDING (OR WALL MOUNTING ON REQUEST) FRONT ACCESS TYPE SELF CONTAINED TYPE
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 EQUIVELANT)
CAPACITY	:10 AMP - HOUR AT THE 5 HOUR RATE
DESIGN LIFE	:20 YEARS

\*\*\*ENDS\*\*\*