

FLOAT-CUM BOOST CHARGER

INTRODUCTION

SUVIK RC 5000 Series of Float-cum-Boost Chargers are designed and manufactured in a state -of-art manufacturing plant. The product is suitable for a variety of applications like EPABX systems, PLC systems, Fork-lifts, Plant Automation, Diesel Generator Sets etc.

SALIENT FEATURES

- Soft Start Output
- No-delay change-over from mains to battery and battery to mains
- Automatic Boost / Trickle mode change-over
- Reverse Polarity Protection
- Built in EMI / RFI filter for noise suppression
- Suitable for EPBAX systems based on C-DOT, OKI, JEUMONT SCHNEIDER, GTE and all International Technologies



SERIES RC 5000

TECHNICAL SPECIFICATIONS

Input :

Mains : 230V (1Ø) / 415V (3Ø) $\pm 15\%$, 50 Hz $\pm 6\%$ AC
Battery : 45 to 600 Volts DC

Output :

Load : 45 to 600 VDC
Charger : Boost Mode : 1.2 times the battery voltage
Float Mode : 1.08 times the battery voltage
Regulation : ± 1.5 Volts
Ripple : < 100 mV (peak to peak) with battery
Psophometric Noise : < 2 mV with battery, on speech load (800 Hz)
Overall Efficiency : $> 70\%$ under all conditions
Visual Indications : Mains ON, High/Low input voltage cutout,
High/Low charger voltage cutout, Battery Boost/
Float mode Battery Low
Audio Alarm : Battery Low and system failure

OPTIONAL FEATURES

- Facility for manual extended boost charging at 1.25 times the battery voltage
- Audio / Visual Alarm for : Current change over to battery (on mains failure), Overload tripping
- Custom-built panel design / displays and protections
- Color Scheme suitable to the exchange
- Any different output voltage or current as per customer's requirement

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