

Technical specification of Automatic Float and Manual Variac Control Boost
Battery Charging Equipment suitable for 110 Volts, 120 AH Battery.

FLOAT CHARGER – SCR CONTROL:

| | | | |
|------|-----------------------|---|--|
| 1.00 | Input Power Supply | : | 415 Volts \pm 10%, 3 Phase, 4 Wire, 50 Hz \pm 5% |
| 2.00 | Output Voltage | : | |
| 2.01 | Auto | : | 118.25 Volts (2.5 V/Cell) |
| 2.02 | Manual | : | 110 Volts – 121 Volts |
| 3.00 | Output Current | : | 13 Amps DC continuous plus trickle charging current of 480 mA (max.) |
| 4.00 | Output Ripple | : | Around 1% r.m.s. at full load of 118.25 Volts DC |
| 5.00 | Output Regulation | : | Around \pm 1% for \pm 10% supply voltage fluctuation and 100% load variation. |
| 6.00 | Mode of Operation | : | Automatic / Manual |
| 7.00 | Control Configuration | : | 3 Phase full wave fully controlled thyristorised bridge fed thru' 3 phase transformer and controlled by constant potential controller unit with load limiting feature. |

BOOST CHARGER – MANUAL VARIAC CONTROL:

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|------|-------------------------|---|---|
| 1.00 | Input Power supply | : | 415 Volts \pm 10%, 3 Phase, 4 Wire, 50 Hz \pm 5% |
| 2.00 | Output Current | : | 15 Amps |
| 3.00 | Output Voltage | : | Up to 2.75 V / Cell |
| 4.00 | Mode of Operation | : | Manual |
| 5.00 | Termination of Charging | : | Manual |
| 6.00 | Control Configuration | : | 3 Phase full wave silicon diode bridge fed thru' 3 phase transformer and controlled by Manual Variac Control. |
| 7.00 | Battery Bank | : | 55 Nos. lead acid cells of 120 AH Capacity |

Note:- (i) Test certificate and warranty Certificate of 1 Year
— to be enclosed.

(ii) Party must supply latest model of above technical
specified charger whose spares should be available
upto 10 Years from the date of supply.