

# Emergency Charger

High efficiency switch-mode technology.  
 Unity power factor.  
 Low cost, maintenance free.  
 Analog voltmeter and ammeter.  
 Adjustable output voltage.  
 Compact and light weight.  
 Can be used on lead acid and NiCad batteries.



Australian designed and manufactured, the Emergency Charger is an invaluable tool for keeping substation batteries in a charged state and keeping down time to zero. In case of a substation charger failure, simply connect the Emergency Charger to the batteries and your charger can be repaired without time pressure.

## TECHNICAL SPECIFICATIONS

| Nominal Characteristics   | 24V  | 32V                    | 48V                    | 110V                     |
|---------------------------|--|------------------------|------------------------|--------------------------|
| Input Supply              | Single phase 240V± 10% 50Hz ± 5%   |                        |                        |                          |
| Output Voltage            | 22-35V<br>Set at 27.2V   | 32-43V<br>Set at 36.2V | 44-58V<br>Set at 54.5V | 90-150V<br>Set at 122.5V |
| Noise and Ripple          | < 0.5% specified at full load and without battery connected                |                        |                        |                          |
| Static Voltage Regulation | ± 1% for 0-100% load variation, ± 10% AC input voltage variation and 5% AC |                        |                        |                          |
| Dynamic Voltage           | 5% for load variation of 10% to 100% or 100% to 10%                        |                        |                        |                          |
| Current Regulation        | ± 1%   |                        |                        |                          |
| Protection                | Input Circuit Breaker, Short Circuit, Output Circuit Breaker               |                        |                        |                          |
| Power Factor              | 0.99 to 0.995 measured at full load and 220V input                         |                        |                        |                          |
| Metering                  | Charger Voltage, Charger Current. *Meter accuracy ± 5%*                    |                        |                        |                          |
| Environmental             | 0-50°, up to 95% humidity  |                        |                        |                          |
| Psophometric Noise        | 2mV : 300Hz - 3400Hz   |                        |                        |                          |
| Wide Band Noise           | 50mV: 3.4Khz-150KHz  |                        |                        |                          |
|                           | 20mV:0.15Mhz-30Mhz   |                        |                        |                          |
| EMC                       | AS 2064-1997   |                        |                        |                          |
| Efficiency                | 90% at Full Load   |                        |                        |                          |
| Audible Noise             | < 50 dB  |                        |                        |                          |
| Cooling                   | Forced Air   |                        |                        |                          |
| Dimensions                | 377mm (H) x 298mm (W) x 460mm (D)  |                        |                        |                          |
| Weight                    | 20kg   |                        |                        |                          |