

## RECTIFIER MODULE MODEL DY 350 (48V/ 6.25A)



### ELECTRICAL SPECIFICATIONS

#### INPUT SPECIFICATIONS

|                     |                              |
|---------------------|------------------------------|
| Nominal Voltage     | 230 VAC, 50 Hz 1 $\phi$      |
| Voltage Range       | 150 - 275 VAC                |
| Frequency           | 47 – 53 Hz                   |
| Input Current       | 3A Max                       |
| Power Factor        | 0.80 (TYP)                   |
| Efficiency          | 88% (TYP)                    |
| Dielectric Strength | 1.5KV AC (I/P to O/P & Case) |

#### OUTPUT SPECIFICATIONS

|                         |             |
|-------------------------|-------------|
| Output Voltage          | +54V DC     |
| Output Adjustment Range | 48V – 56V   |
| Output Current          | 6.25 A      |
| Output Current Limit    | 7.25A Max   |
| Power                   | 350Watts    |
| Net Regulation          | $\pm$ 0.5V  |
| Ripple                  | < 300mV p-p |
| Psophometric Noise      | < 2mV RMS   |
| Audible Noise           | < 50 dBA    |

### SPECIAL FEATURES

|   |
|---|
| <ul style="list-style-type: none"> <li>❖ Wide Input Range</li> <li>❖ Remote ON – OFF</li> <li>❖ Active Current Sharing for Parallel Operation</li> <li>❖ Hot plug – In</li> <li>❖ Over Voltage Protection: 102% Max of Output</li> <li>❖ Over Load Protection: Fold back type</li> <li>❖ Short Circuit Protection: Provided with Auto Recovery</li> </ul> |
|---|

### FUNCTIONAL LED'S

|       |
|-------|
| AC ON |
| DC ON |

#### MECHANICAL

|  |                                   |
|--|-----------------------------------|
| Dimensions      220 (H) x 86 (W) x 250 (D) mm<br>Weight            1.8 Kg<br>Input Connector   3 pin mate-n-lock Plug<br>Output Connector   9 pin mate-n-lock Plug<br>Enclosure        IP20, CRC Sheet Powder Coated<br>19" Sub Rack Mounting                                      | <h4>ENVIRONMENT &amp; SAFETY</h4> |
| Operating Temp      0 °C to +50 °C<br>Cooling                Convection<br>Operating Humidity $\leq$ 95% RH<br>Storage Temperature   -10°C to +70°C<br>Safety                 Designed to meet IEC 60950<br>Designed to meet CISPR22 Class<br>EMI/ EMC             A/ IEC 61000- 4 |                                   |

Specification No RECT/DY 350 – (Rev. 0)

\* Specifications may or can be altered without notice as per company's continuous improvement Program.