

## RECTIFIER MODULE MODEL DY 700D (48V/ 12.5A)



### ELECTRICAL SPECIFICATIONS

#### INPUT SPECIFICATIONS

Nominal Voltage	230 VAC, 50 Hz 1 $\phi$
Voltage Range	150 - 275 VAC
Frequency	47 – 53 Hz
Input Current	5A Max
Power Factor	0.98 (TYP)
Efficiency	90 % (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	12.5 A
Output Current Limit	13.5A Max
Power	700Watts
Net Regulation	$\pm$ 0.5V
Ripple	< 300mV p-p
Psophometric Noise	< 2mV RMS
Audible Noise	< 50dBA

#### SPECIAL FEATURES

- ❖ Wide Input Range
- ❖ Remote ON – OFF
- ❖ Active Current Sharing for Parallel Operation
- ❖ Hot plug – In
- ❖ Over Voltage Protection: 102% Max of Output
- ❖ Over Load Protection: Fold back type
- ❖ Short Circuit Protection: Provided with Auto Recovery
- ❖ Over Temperature Shutdown:  $\leq$  90°C

#### FUNCTIONAL LED's

AC ON  
DC ON  
Over Voltage  
Over Temperature

#### MONITORING SOCKET FOR O/P

VOLT : Direct Monitoring  
AMPS : (10mV = 10A)

### MECHANICAL

Dimensions	130 (H) x 110 (W) x 310 (D) mm
Weight	3.5 Kg
Input Connector	3 pin mate-n-lock Plug
Output Connector	9 pin mate-n-lock Plug
Enclosure	IP20, CRC Sheet Powder Coated 19" Sub Rack Mounting

### ENVIRONMENT & SAFETY

Operating Temp	0 ° C to +50° C
Cooling	Convection
Operating Humidity	$\leq$ 95% RH
Storage Temperature	-10°C to +70°C
Safety	Designed to meet IEC 60950
EMI/ EMC	Designed to meet CISPR22 Class A/ IEC 61000- 4

Specification No RECT / DY 700D – (Rev. 0)

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