

RECTIFIER MODULE MODEL DY 1400E (48V/25A)



ELECTRICAL SPECIFICATIONS

INPUT SPECIFICATIONS

Nominal Voltage	230 VAC, 50 Hz 1 ϕ
Voltage Range	150 - 275 VAC
Frequency	47 - 53 Hz
Input Current	10A 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	50V - 56V
Output Current	25 A
Output Current Limit	26.25 Max (50%- 100% Adjustable)
Power	1400 Watts
Net Regulation	$\pm 0.5V$
Ripple	< 300mV p-p
Psophometric Noise	< 4 mV RMS
Audible Noise	< 50dBA

SPECIAL FEATURES

- ❖ 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: $\leq 90^{\circ}C$

FUNCTIONAL LED'S

AC ON	Over Temperature
DC ON	Over Voltage
Over Load	

MONITORING SOCKET FOR O/P

VOLT : Direct Measurement
AMPS : (0.1V= 10A)

MECHANICAL

Dimensions	260 (H) x 106 (W) x 330 (D) mm
Weight	7.5 Kg
Input Connector	3 pin Mate- N- Lok Plug
Output Connector	15 pin Mate-N - Lok Plug
Enclosure	IP20, CRC Sheet Powder Coated 19" Sub Rack Mounting

ENVIRONMENT

Operating Temp	0 ° C to +50 ° C
Cooling	Convection
Operating Humidity	5% to 95% RH Non Condensing
Storage Temperature	-10°C to +70°C

APPROVALS

Emissions	CISPR 22 Class A (EN55022)
Immunity	IEC 61000-4-2 level 4-ESD
	IEC 61000-4-4 level 4-EFT/Burst Immunity
	IEC 61000-4-3 level 3- Radiated Radio Frequency
	IEC 61000-4-5 level 4 Surge Immunity
	IEC 61000-4-6 level 3 Radio Frequency Conducted Susceptibility
	IEC 61000-4-12- Oscillatory Wave Immunity
Safety	IEEE C 62.41-1992-Lightning Surge Immunity
	IEC 60950

Specification No - RECT / DY 1400E – (Rev. 0)

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