

RECTIFIER MODULE MODEL DY 1400EL (24V/ 50A)



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	88% (TYP)
Dielectric Strength	1.5KV AC (I/P to O/P & Case)

OUTPUT SPECIFICATIONS

Output Voltage	+24V DC
Output Adjustment Range	24V – 28V
Output Current	50 A
Output Current Limit	53A
Power	1400 Watts
Net Regulation	\pm 5V
Ripple	< 200mV p-p
Psophometric Noise	< 4 mV RMS
Audible Noise	<50 dBA

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°C

FUNCTIONAL LED's

AC ON	Over Temperature
DC ON	Over Load
Over Voltage	

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-Llok 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 (EN 55022)
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 1400EL – (Rev. 0)

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