

RECTIFIER MODULE MODEL DY 1400F (56V/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			
<ul style="list-style-type: none"> ❖ 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		MONITORING SOCKET FOR O/P	
AC ON	Over Temperature	VOLT : Direct Measurement AMPS : (0.1V= 10A)	
DC ON	Over Voltage		
Over Load			
MECHANICAL		ENVIRONMENT	
Dimensions	260 (H) x 106 (W) x 330 (D) mm	Operating Temp	0 ° C to +50 ° C
Weight	7.5 Kg	Cooling	Convection
Input Connector	3 pin Mate- N- Lok Plug	Operating Humidity	5% to 95% RH Non Condensing
Output Connector	15 pin Mate-N - Lok Plug	Storage Temperature	-10°C to +70°C
Enclosure	IP20, CRC Sheet Powder Coated 19" Sub Rack Mounting		
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 1400F - (Rev. 0)

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