



Hind Rectifiers Limited

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SMPS Rectifier Unit

Specifications

Input Voltage	3Ph. 415 V +/- 10%, 50 - 60 Hz
Output Voltage	0 - 12 V (Controllable in CV Mode)
Output Current	0 - 500 A (Controllable in CC Mode)
Ambient Temperature	50°C. Max
Cooling	Force Air
Duty Class	Class I (100% Continuous Operation)
Efficiency	Typically > 0.85 @ rated load

Features & Protections

Latest High Frequency IGBT Technology
Reduced Size & Weight
Better Line & Load Regulation
CV/CC Mode of operation possible
Input Supply Over & Under voltage Protection
Phase Failure Protection
Fan Failure/Over temperature Protection
Output Short Circuit/Over Current Protection
Module Failure Indication
Gate Drive Power Supply Failure Indication
Digital Voltmeter for indication of Output DC Voltage. (Provided on Remote Control Box)
Digital Ammeter for indication of Output DC Current. (Provided on Remote Control Box)
Selector Switch for Rectifier ON/OFF Control. (Provided on Remote Control Box)
10 Turn Precision Potentiometer to Set precise Output Voltage (CV Mode) or Current (CC Mode) (Provided on Remote Control Box)
Optional External Control Interface for ON/OFF (Potential Free Contact) & Output V/I Adjust (0 - 10 VDC / 0 - 5 VDC / 4 - 20 mADC) possible

MANUFACTURING UNITS

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