300AMP - 2500AMP

RECTIFIER

- IGBT Base H-Bridge PWM Technology
- DSP Controller
- Small Size & Light Weight
- Electricity Saving
- Fully Serviceable Equipments

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INNOVATE POWER
Total Solution of Power Electronics
(A Group of VP Electronics)

EP 300 - 2500 AMP

Technical Specifications							
Model No.	**300Amp12V**	**500Amp12V**	**750Amp12V**	**1000Amp12V**	**1500Amp12V**	**2000Amp12V**	**2500Amp12V**
Input Voltage	320-480V AC 50HZ (Three Phase)						
Output Voltage	12V DC ±1 % (0-12V Calibration by 0.1V)						
Output Current	300Amp	500Amp	750Amp	1000Amp	1500Amp	2000Amp	2500Amp
Output Power	3600W	6000W	9000W	12000W	18000W	24000W	30000W
Ripple Voltage	Less than 2%						
Overall Efficiency	90%						
Power Factor	0.9 to 0.95						
Cooling	Forced Cooling						
Ambient Temperature	0-40ºC ± 5%						
Size (LxWxH) in mm	(490x640x230)	(490x640x230)	(420x590x610)	(420x590x610)	(420x590x610)	(470x660x1080)	(470x660x1080)
Weight (in Kg)	30 Kg	40 Kg	50 Kg	75 Kg	75 Kg	155 Kg	155 Kg
Display	LCD Display 4 Line 20 Character Manual Selection Constant Current & Constant Voltage. Display :- Constant current, Constant voltage, All Errors (Protection) 7-Segment 4 digit :- Display Output Current & Voltage						
PLC Control	AUTO Control (Constant Current & Constant Voltage) (0-5V) (External PLC)						
Configuration	IGBT Base H-Bridge PWM Technology						
Protection	1. High-Low Input Cut-off (320-480V) By Hall Voltage Sensor 2. Phase fail detector (System will work only with three phase input supply.) 3. Over Temperature. 4. Short Circuit Protection. 5. Display and buzzer for chemical “Dozing” after every 1000AH.						
Control & Display Card	DSP (Digital Signal Processing) Controller for fast performance and protection.						
Body	Small size, Light weight						
Current & Voltage Sensing	Hall effect sensor to isolate control and display card from high voltage and current.						
Remote Control (Optional)	External SCADA and MODBUS (RS485)						