



Technical Specification for IGBT based 12 Volt , 500 Amp Rectifier

Sr.No	Parameter		Value
	Model	EP 500A12V RECTIFIER (VP007164)	
1	Input Parameter	Input Voltage	320-480VAC 50Hz (3 Phase)
		Frequency	50Hz
2	Output Parameter	Output Voltage	12VDC (+/- 1%)
		Output Current	500 Amp
		Voltage Adj. Range	0 to 12 VDC
		Current Range	0 to 500 Amp
		Rated Power	6,000 W (6 KW)
		Power Factor	0.9 - 0.95
3	Configuration	IGBT Base H-Bridge PWM Technology	
4	Features	Control & Display Card	DSP(Digital Signal Processing) Controller for Fast Performance & Protection
		Current & Voltage Sensing	Hall Effect Sensor to Isolate Control & Display Card from High Voltage & Current.
		Cooling	Forced Air Cooling
5	Remote Controller	Display	LCD Display 4 Line 20 Character
			7- Segment 4 digit Display for Output Current & Voltage
			Constant Current & Constant Voltage
			All Errors (Protection)
6	Communication	PLC	0-5V Analog
		For Scada	RS 485
7	Protection	Overload	
		Over Voltage	
		High-Low Input cut off	
		Phase Failure Detector	
		Over temperature	
		Short Circuit Protection	
8	Environment	Working Temp.	0 to 40° C
		Humidity	20 to 90 %
		Storage Temp./Humidity	(-10 to 70°C)
9	Form Factor	Material Of Construction	GI Sheet with Powder Coating & Epoxy Clear Coating
		Physical Body	Compact & Light Weight
		Dimensions in mm (W x H x L)	435 x 515 x 640
		Weight	65 KG (Approx.)
		Warranty	1 Year