V P ELECTRONICS

Technical Specification for IGBT based 24 Volt , 4500 Amp Rectifier			
Sr.No	**Parameter**		**Value**
	Model	**EP 4500A24V RECTIFIER**	
1	**Input Parameter**	Input Voltage	320-480VAC 50Hz (3 Phase)
		Frequency	50Hz
2	**Output Parameter**	Output Voltage	24VDC (+/- 1%)
		Output Current	4500 Amp
		Voltage Adj. Range	0 to 24 VDC
		Current Range	0 to 4500 Amp
		Rated Power	10,8,000 W (108KW)
		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	**Reverse Polarity**	On Time	Forward
		Off Time	Set as off time
		On Time	Reverse (Time in Second)
		Off Time	Set as off time
7	**Communication**	PLC	0-5V Analog
		For Scada	RS 485
8	**Protection**	Overload	
		Over Voltage	
		High-Low Input cut off	
		Phase Failure Detector	
		Over temperature	
		Short Circuit Protection	
9	**Environment**	Working Temp.	0 to 40° C
		Humidity	20 to 90 %
		Storage Temp./Humidity	(-10 to 70°C)
10	**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)	NA
		Weight	NA
		Warranty	1 Year