

# DATASHEET

## ELECTRO PLATING RECTIFIER

### PIPL- 1210EPR



A-426, Road No – 28, Wagle Estate MIDC,  
Thane-400604, Maharashtra, INDIA.  
MOB:+91-8097707496/ +91-7208560460  
Email:info@powertronindia.com  
Web: [www.powertronindia.com](http://www.powertronindia.com)

## 120W ELECTRO PLATING RECTIFIER

### ❖ FEATURES :

- Wide input supply range.
- Built in EMI filter, low ripple noise.
- Protection: Short circuit / Over load / Over voltage.
- 100% Full Load Burn in test.
- High efficiency, long life and high reliability.
- Miniature size.



### ❖ SPECIFICATION:

MODEL NO:		PIPL-1210EPR
OUTPUT	DC VOLTAGE	12VDC
	DC CURRENT	10A
	VOLTAGE ADJ.RANGE	0 TO 12VDC
	CURRENT RANGE	0 TO 10A
	RATED POWER	120W
	DISPLAY	OUTPUT V & I
	RIPPLE & NOISE (max)	<1% Of Rated voltage
	VOLTAGE TOLERANCE	Rated voltage Of +/-1%
	LINE REGULATION	<+/-1%
LOAD REGULATION	<+/-1%	
INPUT	AC VOLTAGE RANGE	230VAC (1 PHASE)
	FREQUENCY RANGE	50Hz
	EFFICIENCY	>88%
PROTECTION	OVERLOAD	Above 105% Rated Output Power Protection Type : Constant Current , Recovers automatically after fault condition is removed .
	OVER VOLTAGE	125% - 150% Rated Output Voltage. Protection Type : Hiccup Mode , Recovers automatically after fault condition is removed.
ENVIRONMENT	WORKING TEMP.	(-5 DegC To 65DegC.)
	WORKING HUMIDITY	20 To 90% RH Non Condensing.
	STORAGE TEMP./ HUMIDITY	(-10 To 85 DegC 10 To 95% RH )
	VIBRATION	(-10 To 500 Hz , 2G , 20min / Sweep , Period - 1 Hr, Each along X,Y,Z axes.)
SAFETY & EMC	SAFETY STANDAEED	Designed to meet UL60950-1
	WITH STAND VOLTAGE	I / P - O / P 2KVDC , I / P- Earth, O / P-Earth 2KVDC
	ISOLATION RESISTANCE	I / P - O / P , I / P- Earth, O / P-Earth : 100MOhms / 500VDC.
	EMI & EMC	Designed to meet EN55011 / EN55022 , EN61000-4-2
OTHERS	ENCLOSURE PROTECTION	IP-21
	COOLING	Forced AIR Cooling
NOTE	1.All parameters NOT specially mentioned are measured at Typical input , rated load and 25 Deg.c. ambient temperature. 2.Ripple&noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor. 3.Tolerance includes set up tolerance , line regulation and load regulation. 4.The power supply is considered a component which will be installed into final equipment . The final equipment must be reformed that it still meets EMC directives. 5.Specifications are subject to change with out prior notice due to constant improvement in design & technology.	

SMPS IDC DC Converters | Adapters | Electro Plating Rectifier | POE SMPS | Battery chargers | DC AC Converter  
DC Regulator Power supply | LED Driver | Inverter | CVT | Servo controlled Voltage Stabilizer | Transformer