# DATASHEET

## ELECTRO PLATING RECTIFIER

## PIPL- 121000EPR

POWERTRON INDIA PVT LTD

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## 12KW 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-121000EPR |
|---|---|---|
| OUTPUT | DC VOLTAGE | 12VDC |
| | DC CURRENT | 1000A |
| | VOLTAGE ADJ.RANGE | 0 TO 12VDC |
| | CURRENT RANGE | 0 TO 1000A |
| | RATED POWER | 12KW |
| | 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 | 415VAC (3 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% RHNon 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 STANDAED | Designed to meet UL60950-1 |
| | WITH STAND VOLTAGE | I / P - O / P 2KVDC , I / P- Earth, O / P-Earth 2KVDC |
| | ISOLATION RESISITANCE | 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.<br>2.Ripple&noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.<br>3.Tolerance includes set up tolerance , line regulation and load regulation.<br>4.The power supply is considered a component which will be installed into final equipment . The final equipment must be recon formed that it still meets EMC directives.<br>5.Specifications are subject to change with out prior notice due to constant improvement in design & technology. | |

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