

DATASHEET

PROGRAMMABLE DC POWER SUPPLY

PIPL-10200DCPSP



A-426, Road No. 28, Wagle Estate
Thane-400604, Maharashtra, INDIA.
Mob: +91-80977 07496 | +91-72085 60460
Email: info@powertronindia.com
Web: www.powertronindia.com

2000W DC PROGRAMMABLE POWER SUPPLY

❖ FEATURES :

- SMPS Based Design.
- Optional: Local & Remote function to set V & I.
- Output V & I Adjustable from 0 to Specified Range.
- Protection: Short circuit / Over load / Over voltage.
- High efficiency, long life and high reliability.
- Miniature size.



❖ SPECIFICATION :

| MODEL NO | | PIPL-10200DCPSP |
|--------------|--|--|
| OUTPUT | DC VOLTAGE | 10DC |
| | DC CURRENT | 200A |
| | VOLTAGE ADJ. RANGE | 0 TO 10VDC |
| | CURRENT ADJ. RANGE | 0 TO 200AMP |
| | RATED POWER | 2000W |
| | CONTROL | 0 TO 10VDC EXTERNAL TO SET OUTPUT V & AMP BY POT |
| | COMMUNICATION | REMOTE ISOLATED EXTERNAL VOLT (0-10VDC) RS232 |
| | RIPPLE & NOISE (max) | 1% P-P |
| | VOLTAGE TOLERANCE | Rated voltage Of +/-1% |
| | LINE REGULATION | <+/-0.5% |
| INPUT | LOAD REGULATION | <+/-0.5% |
| | AC VOLTAGE RANGE | 180 TO 270VAC, 45 TO 63HZ |
| | FREQUENCY RANGE | 63HZ |
| PROTECTION | EFFICIENCY | >85% |
| | OVERLOAD | Above 105% Rated Output Power |
| | | Protection Type : Constant Current - Recovers automatically after fault condition is removed . Protection Type : Hiccup Mode - Recovers automatically after fault condition is removed. |
| ENVIRONMENT | WORKING TEMP. | (-5 DegC To 55 DegC.) |
| | 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 STANDAED | Designed to meet UL60950-1 |
| | WITH STAND VOLTAGE | I / P - O / P 3KVDC , I / P- Earth, O / P-Earth 3KVDC |
| | 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 Cooling |
| NOTE | 1. All parameters NOT specially mentioned are measured at Typical input, rated load and 25 Deg.c. Ambient temperature. 2. Ripple and 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 recon formed that it still meets EMC directives. 5. Specifications are subject to change without prior notice due to constant improvement in design & technology. | |

SMPS | DC DC Converter | Battery Chargers | Dc Power Supply | DC AC Converter | Electro Plating Rectifier | POE SMPS | Adapters | LED Driver | Inverter | CVT | Servo controlled Voltage Stabilizer | Transformer