

# DATASHEET

## PROGRAMMABLE DC POWER SUPPLY

### PIPL- 30010DCPSP



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#### 3000W 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- 30010DCPSP
OUTPUT	DC VOLTAGE	300DC
	DC CURRENT	10A
	VOLTAGE ADJ. RANGE	0 TO 300VDC
	CURRENT ADJ. RANGE	0 TO 10AMP
	RATED POWER	3000W
	CONTROL	0 TO 10VDC EXTERNAL TO SET OUTPUT V & AMP BY POT
	COMMUNICATION	RS-232 & 485
	RIPPLE & NOISE (max)	1% P-P
	VOLTAGE TOLERANCE	Rated voltage Of +/-1%
	LINE REGULATION	<+/-0.5%
INPUT	LOAD REGULATION	<+/-0.5%
	AC VOLTAGE RANGE	230VAC, 50HZ
	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