

DP-1200
24V/5A Power supply



Model: DP-1200

Features

- With built in PFC
- 90% efficiency
- 60% power boost ability
- 23V ~ 28V adjustable range

Specifications

Input voltage	85 VAC ~ 264 VAC	
Input current	<1.6 A @ 115 VAC, <0.8 A @230 VAC	
Input frequency	47 Hz ~ 63 Hz	
Inrush current (cold start)		
< 15 A at 115 VAC		
< 30 A at 230 VAC		
Outputs		
MODEL NO.	DP-1200	
Output Rail	+24 V	
LOAD	MIN.	0 A

	RATED	5 A
	MAX.	6 A
Voltage Accuracy		±2%
Ripple Noise		<50mVpp
Line Reg.		±0.1%
Load Reg.		±0.5%
Efficiency		90% typical at 230 VAC
Hold up time		longer than 20 ms at 115 VAC
Over voltage protection		latch off
Over load protection		auto recovery
Short circuit protection		auto recovery
Cooling		free air convection
EMI standard		FCC docket 20780 curve "B" EN55022 "B", EN61000-3-2 class D
Safety		UL 1950, UL 508 CSA 22.2 No. 950-M90 EN 60 950
Power on indicator		Green light on the panel
Connectors	AC & DC Connector	Terminal blocks (suitable wire 26 ~ 10AWG)
Hook		For standard symmetrical 35mm DIN-rail

General Environment

- Operating temperature : -10°C ~ +70°C (derating: typ. 3W/K > 60°C)
- Storage temperature : -25°C ~ +85°C
- Dimensions : 65 mm x 125 mm x 103 mm

Notes

1. Each output can provide up to max. load separately when the power supply starts up. To exceed the max. output power continuously is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing +-10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing +-40% of measured output load from 60% rated load at another output set to 60% rated load.

5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to low limit of main output at rated load and nominal line.
7. Efficiency is measured at rated load and nominal line.

Ordering Information

DP-1200	24 V/5 A Power Supply
DP-1200 CR	24 V/5 A Power Supply (RoHS)