



Embedded Control and Data Acquisition

DP-1200



Features:

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

Specifications:

- Input voltage : 85Vac to 264Vac
- Input current : <1.6A @ 115Vac, <0.8A @230Vac
- Input frequency : 47Hz to 63Hz
- Inrush current (cold start) :
< 15A at 115Vac
< 30A at 230Vac
- Outputs

MODEL NO.	DP-1200	
OUTPUT RAIL	+24V	
LOAD	MIN.	0A
	RATED	5A
	MAX.	6A
VOLTAGE ACCURACY	±2%	
RIPPLE NOISE	<50mVpp	
LINE REG.	±0.1%	
LOAD REG.	±0.5%	

- Efficiency : 90% typical at 230Vac
- Hold up time : longer than 20ms at 115Vac
- Over voltage protection : latch off

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

NOTE:

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 $\pm 10\%$ of input voltage from nominal line at rated load.
4. Load regulation is defined by changing $\pm 40\%$ 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.