

POWER SUPPLY

TECHNICAL SPECIFICATIONS

INPUT

Voltage	: 230V – 12%	:	230V + 10%
Frequency	: 50Hz ± 3Hz		
Current	: 1.5 Amp (Approx.) at 100W DC output, excluding 0.5 Amp for 230V AC output.		

DC OUTPUT

: +6V DC at 5 Amp	:	-6V DC at 5 Amp.
+12VDC at 2 Amp	:	-12V DC at 2 Amp.
+24V DC at 1 Amp	:	-24V DC at 1 Amp.
Total output load not to exceed 100W. Through 24 pin plug connector Amphenol make or equivalent		

AC OUTPUT

Voltage	: 230V – 12%	:	230V + 10%
	(same as mains input)		
Frequency	: 50Hz ± 3Hz		
Current	: 0.5 Amp (Maximum)		

REGULATION

: For ±12V & ± 24V	± 0.05% (Total band 0.1%)
For ± 6V	± 0.1% (Total band 0.2%)
Over the combined range of zero to full load and specified mains variation, for measurements made within one minute period	

STABILITY

: For ± 12V & ± 24V	± 0.3%
For ± 6V,	± 0.6%
Over any 24 hours period at constant ambient temperature.	
: Over the combined range of no load to full load and specified mains variation after 60 minute warm up	

TEMPERATURE RANGE

: 0 to 50⁰C ambient

TEMPERATURE COEFFICIENT

: 0.02% per degree centigrade over 0 to 50⁰C ambient

NOISE AND RIPPLE

: For ±12V & ± 24V:	3mV peak to peak
For ± 6V	: 10mV peak to peak

VOLTAGE ADJUSTMENTS

: ±2% minimum range
Resettability ± 0.05% of supply voltage

Recovery Time : The ± 12 V and ± 24 V outputs will recover to within $\pm 0.1\%$ and ± 6 V outputs

will recover to within $\pm 1\%$ of steady state values within $100 / \mu\text{sec}$ following any change in specified line voltage or between 10 to 100% of full load.

Circuit Protection : a) Input of the supply is protected by two fuses
b) Output of the power supply is short circuit and over load protected by means of electronic circuits.
c) Recovery is automatic when over load or short circuit is removed.
d) Continuous short circuit will not damage the power supply unit.
e) Over voltage protection for ± 6 V prevents these outputs from exceeding ± 7.5 V minimum.

Connector : 24 Pin amphenol (or equiv.) standard connector for EC standard BIN

NOTE

This module is also available with 42 pin connector & suitable for international NIM BIN.

Note : DATA SUBJECT TO ALTERATIONS WITHOUT NOTICE.

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