

Desk Top Power Supplies



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PFJ30 - 60 Series 30-60 Watt Switch Mode Universal AC Input

Features

- Universal Input Range 90-264VAC
- Overvoltage, Over Current & Short Circuit Protection
- Conductive EMI Meets CISPR 22
- CEC Level V1 Compliant
- Optional Output Connectors



Electrical Specification

Rated Input Voltage	100-240VAC
Input Voltage Range	90-264VAC
Frequency	47-63Hz
Inrush Current	60A max. at 240VAC input with rated load & 25°C ambient
Input Leakage Current	0.25mA max. at 240VAC
Output Voltage	See table
Output Current	See table
Turn On Delay	3 seconds max. at 100VAC input & max. output load
Rise Time	100ms max. at 100VAC input & max. output load
Hold-up Time	5mS min. at 100VAC input & max. output load
Overshoot	15% max. when power supply on or off
Short Circuit Protection	Continuous, autorecovery when fault removed
Over Current Protection	Autorecovery when fault removed
Over Voltage Protection	120-150% of Vout nom., autorecovery when over voltage removed
Operating Temperature Range	0°C to +40°C
Operating Humidity Range	5-90%
Storage Temperature Range	-10°C to +55°C
Cooling	Natural convection
Vibration Operating	IEC 721-3-3 3M3
Vibration Transportation	IEC 721-3-2 2M2
Safety Approvals	EN60950, EN60650, IEC60065, EN60065, UL60065, GB8898
EMC Standard	EN55022, EN55024, GB9254-1998 (CISPR22)
Dimensions	120 x 54 x 33 mm
Weight	280g
AC Inlet	IEC320/C14

Output Voltage and Current Ratings

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT	RIPPLE & NOISE	LOAD REG.	% EFF.	OUTPUT POWER
PFJ30-05-XX	5VDC	6000mA	120mV pk-pk	4.75V - 5.25V	85%	30W
PFJ60-12-XX	12VDC	5000mA	120mV pk-pk	±5%	87%	60W
PFJ60-15-XX	15VDC	4000mA	120mV pk-pk	±3%	87%	60W
PFJ60-24-XX	24VDC	2500mA	120mV pk-pk	±2%	87%	60W

-XX on model number denotes output connector type. Standard part is -02 and is a 2.5 dia. x 10mm barrel connector, centre +VE. Other types available - consult sales

NOTE:

Output noise and ripple measured with 47µF electrolytic & 0.1µF ceramic capacitors across output at 20MHz BW.

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Mechanical Details

