



PNF-600 Series

600 Watts Single Output with Active PFC

INPUT SPECIFICATIONS

All specifications are typical at nominal input, full load.

INPUT SPECIFICATIONS

Input Voltage	90Vac-264Vac, 127Vdc-370Vdc
Input Frequency	47 – 63Hz
Input Current	<7A
Protection	Internal Primary Current Fuse Inrush Limiting

OUTPUT SPECIFICATIONS

Output Voltage	See Chart
Efficiency	88-90%
Protection	Over Load Over Temperature Over Voltage Short Circuit
Ripple and Noise	120mV– 200mV
Hold-Up Time	>16mS (230Vac input, Full load)
Transient Response	0.5mS for 50% Load Change(typ)
Load Regulation	± 1%
Leakage Current	Input-output: ≤0.1mA Input-PG: ≤0.75mA

GENERAL SPECIFICATIONS

MTBF(MILHDBK-217F)	More than 200,000Hrs (25°C, Full load)
Withstand Voltage	Primary-Secondary 3,0KVac ≤10mA. Primary-PG:1.5KVac; ≤10mA. Secondary-PG:0.5KVac; ≤10mA
EMI Conduction & Radiation	Compliance to EN55022, Class B
Harmonic Current	Compliance to EN61000-3-2, class D
EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; heavy industry level
Safety Approvals	UL60950-1 2 ND Ed; IEC 60950-1; 2005(2 ND Ed); EN60950-1:2006



FEATURES

- Using ZVS technology to reduce power dissipation
- Built in Fan speed control and over temp. protection
- Built in AC inrush current limiting circuit(<20A)
- Built in constant current limiting circuit
- Built in DC OK signal
- 1U low profile, 41mm

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30°C~+70°C
Storage Temperature	-40°C~+85°C
Cooling.	Forced air cooling (Built in fan)
Operating Humidity	20 – 90% RH No condensing
Storage Humidity	10 – 95% RH

MECHANICAL SPECIFICATIONS

Case Dimension	L218 x W116.5 x H41mm
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Model Number	Output Voltage	Output Current (120VAC/220VAC)	Max Output Power
PNF-600-12	12.0V	34.0/42A	504.0W
PNF-600-24	24.0V	22.0/26.5A	636.0W
PNF-600-27	27.0V	18.0/23A	621.0W
PNF-600-36	36.0V	14.0/17.5A	630.0W
PNF-600-48	48.0V	11.0/13.6A	652.8W

