



- 3.3" x 5" Footprint
- High Power Density: > 15W/Inch<sup>3</sup>
- Up to 93% Efficiency
- Universal AC Input
- Active PFC (90-264VAC)
- Parallel Output Capability
- Active Current Sharing (Main Output)
- Remote On/Off
- 5V/1A Standby Output
- 12V/1A Auxiliary Output
- Active Inrush Current Protection
- EN60950-1 Safety Approvals
- RoHS Compliant

### Electrical Specifications

#### Input

Input Voltage	90-264VAC
Input Frequency	47-63 Hz
Input Current	4.3A @ 100VAC
Input Protection	6.3A Fuse
Inrush Current	14A @ 240VAC
Power Factor	Per EN61000-3-2
Leakage Current	750µA @ 240VAC/60Hz (Note 1)
Safety Isolation	3000VAC Input to output 1500VAC Input to ground

#### Output

Total Output	375W
Output Voltage	See table
Hold Up Time	22mS minimum
Efficiency	Up to 93% (Note 2)
Minimum Load	No minimum load
Over/Under Shoot	10% maximum @ turn-on

#### Protection

Overvoltage	V1 (latches off)
Overpower	Auto recovery
Short Circuit	Auto recovery (all outputs)
Thermal Shutdown	Auto recovery against over temperature

Notes:

- 1.
- 2.
- 3.
- 4.
- 5 All specifications typical at 25°C unless noted.

#### Signals

Remote Sense	V1 & Return
Current Sharing	V1 using active circuitry
Passive Redundancy	V2 & V3 may be wire OR'd
Power Good Output	High-true CMOS logic & LED drive outputs
Remote Enable Input	Low-true input V1; V2 optional
LED Indicators	AC-On, Power Good
Trim Input	±5%

#### Environmental & Operating

Operating Temperature	-20°C to +50°C
Temperature Derating	2.5%/°C from +50°C to +70°C
Storage Temperature	-40°C to +85°C
Forced Air Cooling	10CFM minimum (Note 3)
Convection Cooling	200W maximum output (Note 4)
MTBF:	>160,000 hours calculated

#### Compliance

##### Safety Approvals

USA	UL60950-1/2007
Canada	CSA-C22.2 No. 60950-1-07
Europe	Directive 2006/95/EC (Low Voltage Safety) IEC60950-1-2005 (Second Edition) CB Report, CB Certificate, CE Mark

##### EMC

	Directive 2004/106EC (EMC Directive)
	EN61204-3-2001
	EN61000-3-2
	EN61000-3-3

##### Harmonic Currents Voltage Flicker

Radiated Immunity	EN61000-4-3
EFT/Burst	EN61000-4-4
Surge Immunity	EN61000-4-5
Conducted Immunity	EN61000-4-6
Dips / Interruptions	EN61000-4-11

### Models and Ratings Chart

Model	Output #	Voltage	Current	Regulation	Ripple & Noise (p-p)
PNA375-12CS	V1	12	30A	3%	100mV
	V2	12	1A	5%	80mV
	V3	5sb	1A	5%	50mV
PNA375-24CS	V1	24	15A	3%	200mV
	V2	12	1A	5%	80mV
	V3	5sb	1A	5%	50mV
PNA375-28CS	V1	28	12.8A	3%	200mV
	V2	12	1A	5%	80mV
	V3	5sb	1A	5%	50mV
PNA375-40CS	V1	40	9A	3%	200mV
	V2	12	1A	5%	80mV
	V3	5sb	1A	5%	50mV
PNA375-48CS	V1	48	7.5A	3%	200mV
	V2	12	1A	5%	80mV
	V3	5sb	1A	5%	50mV
PNA375-54CS	V1	54	6.7A	3%	200mV
	V2	12	1A	5%	80mV
	V3	5sb	1A	5%	50mV
PNA375-56CS	V1	56	6.4A	3%	200mV
	V2	12	1A	5%	80mV
	V3	5sb	1A	5%	50mV

### Mechanical Outline

