



PAS series

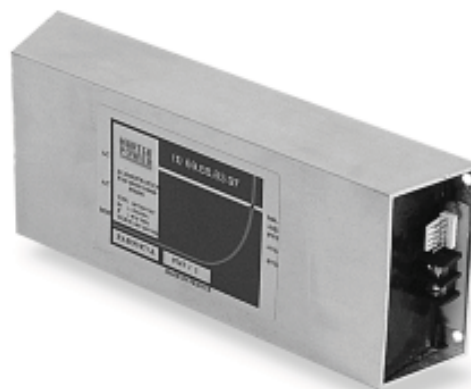
72 to 144 watts

Features:

- *Power Factor Correction*
- *90 to 256 Vac Inputs*
- *High efficiency*

Ideally Suited For:

- *Transportation Applications*
- *Test Equipment*
- *Instrumentation*



Input Characteristics

Input Voltage:	90-256 VAC; 45-440 Hz
Input Filtering:	Pi Filter
Efficiency:	80% to 92% typical
Power Factor Correction:	See Available Models
Inrush Current Limiting:	Internally limited
Overload Protection:	Via external fuse

Output Characteristics

Output Voltage Accuracy:	0 to 2%
Line and Load Regulation:	+/-3%
Ripple and Noise:	<20 mV plus 1% pk-pk Vout (0-30MHz)
Transient Response/Recovery Time	to NFC 42-801C spec
Temperature Coefficient:	<0.02%/degree C
Current Limiting:	>120% maximum output
Short Circuit Protection:	Continuous
Overvoltage Protection:	Outputs protected via internal transient suppressor diode
Over Temperature Protection:	Unit will shut off at 95°C via internal switch Module returns to normal after cooling

Environmental Characteristics

Operating Temperature Range:	-20°C to +85°C
Storage Temperature Range:	-40°C to +85°C
Maximum Baseplate Temperature:	+85°C
Derating without heatsink:	Derate 2.5% per °C beyond 45°C case temperature
Derating with heatsink:	Derate 1% per °C beyond 45°C case temperature Derate 6% per °C above 70°C case temperature
Humidity:	95% RH
Reliability (MTBF per Mil-HDBK-217):	>250,000 hours, +25°C, Ground benign
Long term stability:	After 30 min of operations: <0.3%

General Characteristics

Switching Frequency:	40 kHz
Isolation (Input to Output):	3750 VAC
Insulation Resistance:	>100 megohm at 500 VDC
Agency Approvals:	CE mark

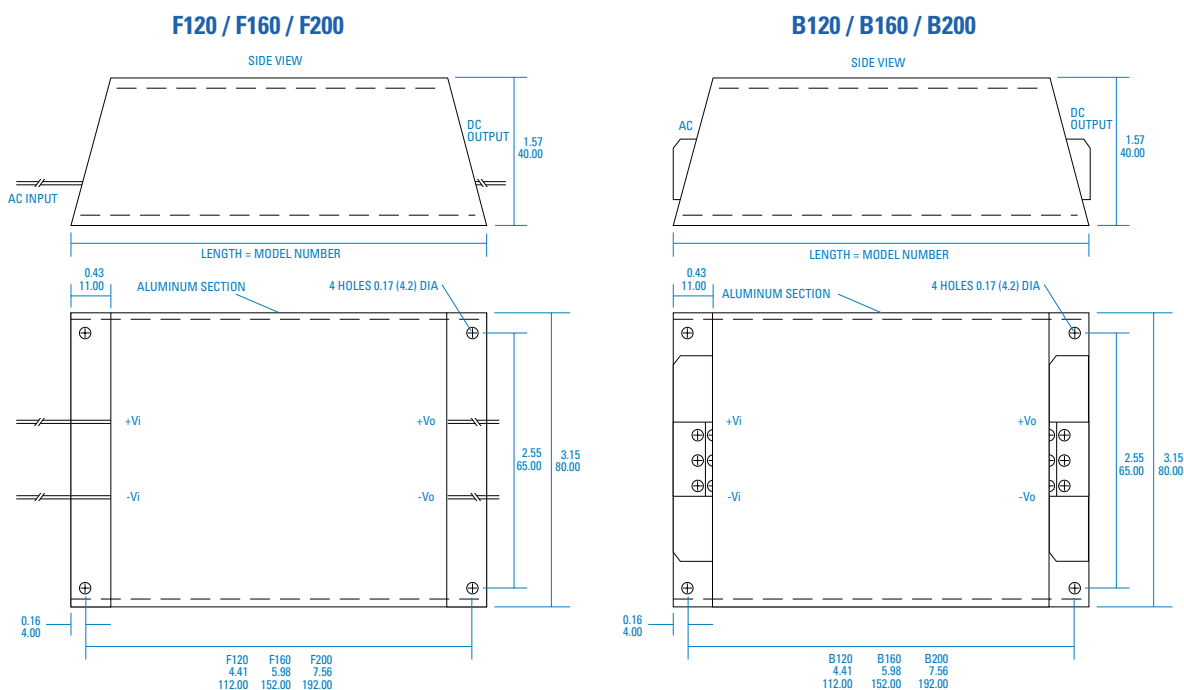




EMC Characteristics

Conducted emissions	EN55022
Radiated emissions	EN55022
ESD	EN61000-4-2
Radiated immunity	EN61000-4-3
Fast Transients	EN61000-4-4
Surge	EN61000-4-5

Outline Drawing



Available Models

Case Code

Model	Output Voltage (VDC)	Output Current (A)	PFC	Terminal Block	Wire Connection
PAS126000GD	12	6		B120	F120
PAS243000GD	24	3		B120	F120
PAS244000GD	24	4	x	B160	F160
PAS483000GD	48	3	x	B200	F200

To order please specify model number and preferred case configuration i.e. PAS 12 6000 GD F120

All specifications are typical at 25 degrees C with nominal input voltage and full output unless otherwise noted. Specifications are subject to change without notice. All dimensions are typical.