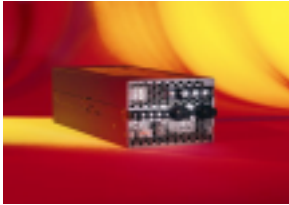


Single Phase PFC Non-Isolated Front End, 380VDC Output

MODEL	PM3528B-6	PM3529B-6	PM35210B-6	PM35211B-5	PM35216B-5	PM35220B-5
POWER	1250W	1750W	2500W	3000W	6000W	10,000W
INPUT	90 to 264VAC			180 to 264VAC		
OUTPUT VOLTAGE	380VDC			380VDC		
OUTPUT CURRENT	3.2A	4.5A	6.5A	7.8A	15.6A	26A
CONFIGURATION	SINGLE	PFC	MODULE	SINGLE	PFC	MODULE


3.5" x 5" x 11.25"

DIMENSIONS: 3.5" x 5" x 11.25"
(89mm x 127mm x 286mm).
Exclusive of I/O Connectors.

WEIGHT: 11 lbs.

MOUNTING: Mounting holes for 8-32 screws are included on the bottom and on one side.

I/O CONNECTORS: AC Input and DC Output: Terminal Block with 8-32 screws.

TWO-PFC MODULE CONFIGURATION:


Using two PFC modules provides twice the output power. The two-module configuration comes in a 5" x 5" x 11.25" package (127mm x 127mm x 286mm).

FEATURES

- Power Factor Corrected (> 0.99)
- 0°C to +50°C at Full Load
- Output Fully Floating
- Overcurrent Protection
- Overvoltage Protection
- Remote Sense
- Overtemperature Protection
- Self-contained Forced Air Cooling

SPECIFICATIONS
INPUT

RANGE: 90 to 264 VAC or 180 to 264 VAC, Single Phase.

FREQUENCY: 47 to 63 Hz.

CONTINUOUS INPUT CURRENT: 40A rms Max.

POWER FACTOR: > 0.99 @ Full Load.

HARMONIC CURRENT: < 5%.

INPUT FUSE: Two 25A internal fuses are provided.

OUTPUT

VOLTAGE: 380VDC nominal with ±5% tolerance.

P-P RIPPLE & NOISE: 15V peak (10 Hz to 100 Khz Bandwidth).

TURN ON DELAY: Output will reach its nominal value in 2 seconds after applying the AC line.

HOLD-UP ENERGY: When the AC input is removed from the converter, a minimum of 86 Watts is available on the output.

OUTPUT FUSE: Two 10A fuses are provided.

OVERVOLTAGE PROTECTION: The overvoltage circuitry will shut down the converter at approximately 15% above nominal voltage.

ENVIRONMENTAL

OVERTEMPERATURE PROTECTION: Automatically shuts down in the event of an overtemperature condition. After cool down, the unit will automatically restart.

AUDIBLE NOISE: 63dBA max at 1 meter for single-PFC module configurations, and 70dBA max for two-PFC module configurations.

DMTBF: Over 500,000 hours.

TEMPERATURE: Operating: 0°C to +50°C at full load. Storage: -55°C to +85°C.

HUMIDITY: 20% to 95% non-condensing.

ALTITUDE: Operating: 5,000 feet. Derates to 85% at 10,000 feet. Non-Operating: To 30,000 feet.

VIBRATION: Operating: From 5 to 27 Hz, 0.02 in double amplitude; from 27 Hz to 500 Hz, 0.75G, 3 axes, 3 min per octave sweep, dwell 15 min at resonance. Non-operating: From 5 to 17 Hz, 0.10 in double amplitude, from 17 to 500 Hz, 1.5G peak; 3 axes, 5 min per octave sweep; dwell 15 min at resonance.

SHOCK: Operating: 5G, half sine, 11msec, 3 axes. Non-Operating: 15G, half sine, 11msec, 3 axes.

COOLING: Forced air, internal fan. Airflow exits at connector end.

EMI: Designed to meet Conducted and Radiated: EN55022 Level A.

SAFETY: Designed to meet UL1950, CSA22.2 No. 950, and TUV to EN60950.


5" x 5" x 11.25"

Cat Non-IFE, 1.2kW to 10kW, Single Phase, 11/8/00