

Non-Plug Single Phase PFC Universal Input Isolated Front End (IFE)

MODEL	PM3326B-6	PM3327B-6	PM3328B-6	PM3327B-5	PM3328B-5	PM3329B-5	PM33210B-5	PM33211B-5
POWER	1000W	1200W ①	1500W ②	1200W	1500W	2000W	2500W	3000W
INPUT	90 to 264VAC			180 to 264VAC				
OUTPUTS	DC	OUTPUT	CURRENT	DC	OUTPUT	CURRENT	DC	CURRENT
48V	21A	25A	31A	25A	31A	42A	52A	63A
32V	31A	37A	47A	37A	47A	62A	78A	94A
28V	36A	43A	53A	43A	53A	71A	89A	107A
26V	38A	46A	58A	46A	58A	77A	96A	115A
24V	42A	50A	63A	50A	63A	83A	104A	125A
12V	83A	100A	125A	100A	125A	167A	208A	250A



Terminal Block

DIMENSIONS: 5" x 5" x 11.25"
(127mm x 127mm x 286mm).
Exclusive of I/O Connectors.
WEIGHT: 10 lbs.
MOUNTING: Mounting holes for
8-32 screws included on the bottom
and on one side.
I/O CONNECTORS: DC Output:
DC Terminal Block with 6-32 screws.
AC Input: Barrier strip with 6-32
screws. DB25 connector for options.



Bus Bars

DIMENSIONS: 5" x 5" x 11.25"
(127mm x 127mm x 286mm).
Exclusive of I/O Connectors.
WEIGHT: 10 lbs.
MOUNTING: Mounting holes for
8-32 screws included on the bottom
and on one side.
I/O CONNECTORS:
DC Output: DC Bus Bars.
AC Input: Barrier strip with 8-32
screws. DB25 connector for options.

Models: PM3326B, PM3327B, PM3328B and PM3329B

① Derated to 1050W @ 90VAC. ② Derated to 1440W @ 90VAC.

Models: PM33210B and PM33211B

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.

POWER FACTOR: > 0.99 @ Full Load.

HARMONIC CURRENT: < 5%.

OUTPUT

ADJUSTMENT RANGE: +5%/-10% of nominal
output voltage.

POLARITY: Output is isolated. It may be
referenced plus/minus as required.

REMOTE SENSING: Compensates for up to
0.5V total loop drop in the output line.

STATIC REGULATION:

Line: ±0.25% over full line range.

Load: ±0.25% zero load to full load.

VOLTAGE STABILITY: ±0.1% for 24-hour period
after 30-minute warm up.

TEMP COEFFICIENT: ±0.02%/°C from 0°C to
+50°C.

P-P RIPPLE AND NOISE:

1% (20 Hz to 50 MHz Bandwidth).

MINIMUM LOAD: Not Required.

TURN ON DELAY: 1 sec. max from application
of AC line.

OVERVOLTAGE PROTECTION: 125% ±5% of
nominal. OVP shutdown is latched until the input
line is removed for 5 secs and then reapplied.
OVP sensing is done at the output terminals.

OVERCURRENT PROTECTION: Current Limit
Point: 105% to 115% of full load.

ENVIRONMENTAL

OVERTEMPERATURE PROTECTION:
Automatically shuts down and latches the unit in
the event of an overtemperature condition. After
cool down, power must be recycled to restart
unit.

AUDIBLE NOISE: 63dBA max at 1 meter.
70dBA for high speed fans.

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.

TYPICAL OPTIONS

(Complete Option List Available)

(-1C) AC POWER FAIL: Upon loss of AC line, signal
goes from low to high before loss of output regulation.

(-2T) LOGIC INHIBIT: Less than 0.5 volts will inhibit the
supply. Two volts or more or an open circuit will enable
the supply. Logic inhibit return should be connected to
negative output.

(-6B) CURRENT SHARING: Allows two or more similar
power supply main outputs to load share using a single
wire.

(-8UV) UNDERVOLTAGE DETECT: Signal pulls low
when output drops more than 15% ±5% of the nominal.
There is no upper trip point. Sensing occurs at the
output terminals instead of the remote sense leads.
High good (LED on) and Low bad (LED off).

(-20C) ISOLATION DIODE: Built-in Oring diodes in the
positive output line to prevent a failed power supply from
affecting the bus.

(-33) CURRENT MONITOR: The current monitor signal
is referenced to the negative output. It is accurate to
within +/- 10%, from 10% to 100% load. The analog
signal 0V to 5V is proportional to the load when
increased from no load to maximum load.

NOTE: The option signals (-1C) and (-2T) are floating
and referenced to Logic Return. Logic Return should be
connected by the customer to the system common.

SPECIAL OPTION

Intelligent Power Supply



- Built-in microchip controls all power supply & battery parameters, plus stores data on history, operating conditions & address.
- Allows user to program system functions & alarms.
- Permits either local monitoring (via RS485 bus) or remote monitoring (via modem).

Cat IFE, 1kW to 3kW, Non-Plug, 11/8/00