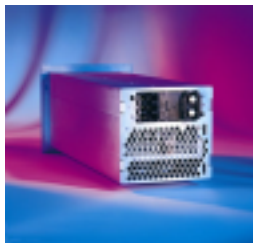


## Hot Plug Single Phase PFC Universal Input Isolated Front End (IFE)

MODEL	PM3326BP-6	PM3327BP-6	PM3328BP-6	PM3327BP-5	PM3328BP-5	PM3329BP-5	PM33210BP-5	PM33211BP-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



**TOP  
DRAWER**



**LOWER  
DRAWER**

**DIMENSIONS:** 5" x 5" x 11.5"  
(127mm x 127mm x 292mm).  
Exclusive of I/O Connectors.

**WEIGHT:** 10 lbs.

**MOUNTING:** Designed to lock into matching rack.

**I/O CONNECTORS:** Elcon Lower Drawer Connector provides hot plug operation. Models with output current greater than 70A use Elcon Top Drawer Connector.

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

Models: PM3326BP, PM3327BP, PM3328BP, PM3329BP, PM33210BP, and PM33211BP

### 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, Hot Plug, 11/8/00