

LoPAC Series

500-1500 WATTS SINGLE & MULTIPLE OUTPUT AC/DC LOW PROFILE

Features

- Near unity power factor
- EN61000-3-2 harmonic current compliance
- Low profile package
- Output power to 1,500W
- Up to 6 user specifiable outputs
- Universal AC input
- Power density up to 11W/in3
- New “Autosense” feature
- Safety agency approvals: CE Marked, cTÜVus (pending), cULus, TÜV



Specifications

INPUT

Voltage	85-264Vac, 100-380Vdc (PFC Mini), 100-300Vdc (PFC Micro, PFC MicroS)
Frequency	47-500Hz.
Line regulation	0.4% (from low line to high line).
Inrush current @ 115Vac	8.5Apk (PFC Mini), 7Apk (PFC Micro, PFC MicroS)
@230Vac	17Apk (PFC Mini) 14Apk (PFC Micro, PFC MicroS)
Isolation	Input – Output: 4242Vdc Input – Ground: 2121Vdc Output – Ground: 750Vdc
Power factor	> 0.98

OUTPUT

Setpoint accuracy	1% of Vnom.
Load regulation	0.05% @ 10% load to full load. 0.2% @ no load to full load.
Temp. regulation	0.005%/°C, -20 to +65°C
Long term drift	0.02%/khr
Ripple & noise	<=10Vout, 100mV >10Vout, 1.0% Vout
Voltage trim range	1st Gen slots 50-110% Vout 2nd Gen slots 10-110% Vout (+/-10% on 10-15Vout, preload may be required).
Remote sense Compensation	0.5Vdc
OVP set point	125% Vout. (not available in 1st Gen minis).
Current limit	115% I _{max} . (with auto recovery).

ENVIRONMENTAL

Storage temperature	-40°C to +85°C
Operating temperature	-20°C to +45°C (full rated power) -20°C to +65°C (50% rated power).

STANDARDS

Safety standards	CE Marked, cTÜVus
Surge	EN61000-4-5.
Harmonic current limits	EN61000-3-2/A14
C-Tick	AS/NZS CISPR11 Group 1, Class A
EMI standards	FCC Class A, EN55022 Class A. (Certain configurations meet FCC & EN Class B)
EMC standards	EN61000-4-4 Level 3, Performance Criteria B.

MECHANICAL

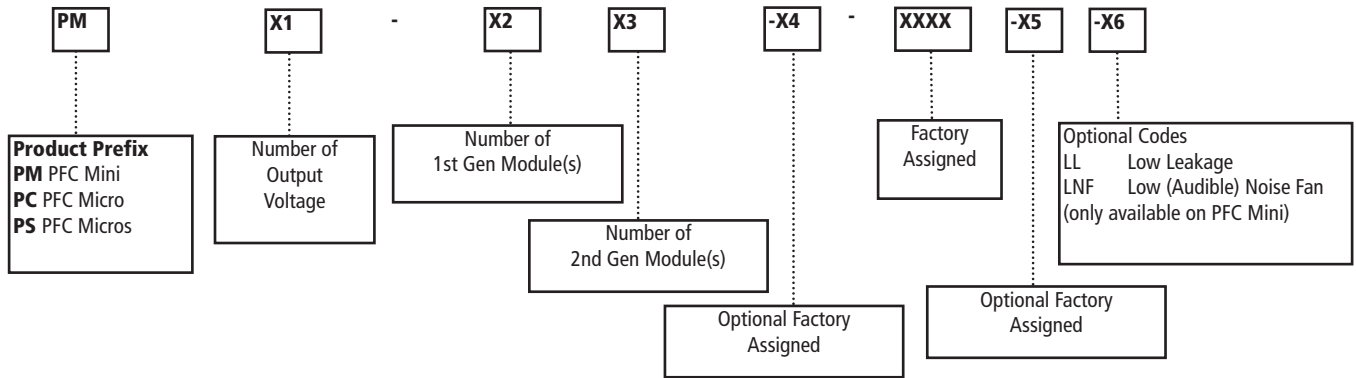
Dimensions (LxWxH)	PFC Mini – 309.9x152.4x44.5mm PFC Micro – 264.1x128.5x47.3mm PFC MicroS – 201.9x128.5x47.3mm
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OUTPUT VOLTAGE	AVAILABLE POWER (W) PER PACKAGE SIZE						
	MAXI			MINI		MICRO	
	2ND GEN	1ST GEN		2ND GEN	1ST GEN	2ND GEN	
2Vdc	160	80	60	100	40	30	50
3.3Vdc	264	132	99	150	66	50	75
5Vdc	400	200	150	200	100	75	100
12Vdc	600	200	150	300	100	75	150
15Vdc	600	200	150	300	100	75	150
24Vdc	600	200	150	300	100	75	150
28Vdc	600	200	150	300	100	75	150
48Vdc	600	200	150	300	100	75	150

MODEL TYPE	# SLOTS	MAXIMUM OUTPUT POWER			MODULES PER SLOT
		TOTAL		PER SLOT	
		@ 230VAC	@ 115VAC		
PFC Mini	3	1,500W	800W	500W	1 Maxi or 2 Minis
PFC Micro	2	800W	500W	600W	1 Maxi or 2 Minis or 3 Micros
PFC Micros	1	600W	500W	600W	1 Maxi or 2 Minis or 3 Micros



NOTE: For technical illustrations please contact Powerbox for further details