

PPC Series

STABILINE®

Portable Power Conditioners



Complete Power Conditioning in a Compact, Portable Unit

PPC Series STABILINE® Portable Power Conditioners protect all types of loads including nonlinear switch-mode power supplies. They use advanced ferroresonant technology with energy storage capability to block and attenuate voltage spikes and transients originating from the input-generating or the output-consuming power source. Models also provide continuous line voltage regulation to compensate for surges and brownouts. All protect against sags and electrical noise by isolating voltage sensitive equipment from utility power lines.

In addition, **PPC** Series units correct common problems caused by poor power factor, line distortion and overheating of neutral line conductors. They produce a constant output voltage regardless of the amount of voltage fluctuation so delicate microprocessor circuitry receives the regulated sinewave power needed for efficient operation.

PPC Series models are designed for quick plug-in installation and all models utilize multiple grounded output receptacles for simple connection to protected equipment.



Features:

- ◆ *Maintain Output Voltage at 120 V \pm 5%, 60 Hz Over an Input Range of 95 to 132 V*
- ◆ *120 dB Common-Mode Noise Rejection*
- ◆ *60 dB Transverse-Mode Noise Attenuation*
- ◆ *Advanced Ferroresonant Technology*
- ◆ *Microcut Protection*
- ◆ *Brownout and Overload Protection*
- ◆ *Convenient Carrying Lip for Portability*
- ◆ *Galvanic Isolation*
- ◆ *Low Audible Noise*
- ◆ *Surge and Sag Protection*
- ◆ *Spike and Noise Protection Per ANSI/IEEE C62.41-1980, C62.45-1987*
- ◆ *Four and Six Output Receptacles*
- ◆ *Compact and Lightweight*
- ◆ *Full 5-Year Warranty*
- ◆ *120 V, 60 Hz Models UL 1012 Listed and CSA Certified*



Specifications / Model Selection Guide

DESIGN

Technology Ferroresonant
 Insulation Class H, 180°C (356°F)

OUTPUT RATINGS

Load
 VA 110 to 1800 VA
 Power Factor 0.7 leading to 0.8 lagging
 Crest Factor (I peak/Irms) .. 3.0 maximum
 Overload Capacity 125%

Voltage
 Nominal 120 V
 Regulation
 Line ±5% of rated output over rated input voltage range at unity power factor, full load
 Load ±1.5% maximum of rated output from no load to full load with rated input voltage
 Total ±6.5%
 Harmonic Distortion 5% maximum total, 3% maximum any single harmonic. Measured with full load unity power factor over entire input voltage range
 Ride-Through Time 3 ms
 Frequency Follows input
 Phase Configuration 1 phase, 2-wire plus ground

INPUT RATINGS

Voltage
 Nominal 120 V
 Range -20% to +10%
 Frequency 60 Hz
 Phase Configuration 1 phase, 2-wire plus ground

GENERAL

Efficiency 83% typical at full load
 Noise Attenuation/Rejection
 Common-Mode 120 dB typical
 Transverse-Mode 60 dB typical
 ANSI/IEEE C62.41-1980, .45-1987 48 dB typical
 Isolation Yes
 MTBF per Mil-HDBK-217 Approximately 100,000 hours
 BTU 0.7/hour per VA typical
 Audible Noise Produced 45 dB typical
 Overcurrent Protection Limited to 200% of rated load current
 Cord and Plug Yes
 Output Receptacles 4 or 6 type NEMA 5-15R

ENVIRONMENTAL SPECIFICATIONS

Temperature
 Operating -40°C to +40°C (-40°F to +104°F)
 Storage -40°C to +70°C (-40°F to +158°F)
 Relative Humidity
 Operating 10% to 90% noncondensing
 Storage 10% to 90% noncondensing
 Altitude
 Operating 6,000 feet (1,829 m) max.
 Storage 50,000 feet (15,240 m) max.

WARRANTY

5 years

INDEPENDENT CERTIFICATION

UL and CSA

STANDARDS MET

ANSI/IEEE C62.41-1980, .45-1987

Type	AC Input (Single Phase)			Output				AC Output Receptacles	Dimensions H X W X D (In/cm)	Approximate Weight (lbs/kg)	
	AC Voltage	Max. Amps	Hz.	Nonlinear or 0.7 P.F. Load						Quantity	Net
				Nominal Voltage	Max. Amps	Max. VA	Max. Watts				
120 VAC, 60 Hz Models											
PPC61110B	96-132	0.9	60	120-5%	0.9	110	80	2*	5.5 x 6.5 x 7.8 / 139.7 x 165.1 x 198.1	11 (5)	12 (5.7)
PPC61210B	96-132	1.6	60	120-5%	1.7	210	150	4*	5.5 x 6.8 x 10.4 / 139.7 x 172.7 x 264.2	18 (8.2)	21 (9.6)
PPC61420B	96-132	3.2	60	120-5%	3.5	420	300	4*	5.5 x 6.8 x 10.4 / 139.7 x 172.7 x 264.2	25 (11.3)	28 (12.7)
PPC61650B	96-132	4.7	60	120-5%	5.4	650	450	6*	6.5 x 8.5 x 12.1 / 165.1 x 215.9 x 307.3	28 (12.7)	32 (14.6)
PPC61850B	96-132	6.3	60	120-5%	7.0	850	600	6*	6.5 x 8.5 x 12.1 / 165.1 x 215.9 x 307.3	33 (15)	37 (16.8)
PPC611100B	96-132	8.4	60	120-5%	9.1	1100	800	6*	8.3 x 10.3 x 15.8 / 210.8 x 254.0 x 401.3	48 (21.8)	53 (24.1)
PPC611400B	96-132	10.5	60	120-5%	11.6	1400	1000	6*	8.3 x 10.3 x 15.8 / 210.8 x 254.0 x 401.3	53 (24)	58 (26.4)
PPC611800B	96-132	13.6	60	120-5%	15.0	1800	1200	6*	8.3 x 10.3 x 15.8 / 210.8 x 254.0 x 401.3	64 (29)	69 (31.4)

* NEMA 5-15R AC output receptacles.
 † UL Listed and CSA Certified.



Superior Electric

383 Middle Street • Bristol, Connecticut 06010
 International Telephone: 860-585-4500 • Fax: 860-582-3784
 Customer Service: 1-800-787-3532 Ext. 4750 USA & Canada
 Product Application: 1-800-787-3532 Ext. 4755 USA & Canada
 Web Site: www.superiorelectric.com

