

STABILINE®

PPC Series-Portable Power Conditioners



**Reduce/Eliminate
Downtime and Field Service Costs!**

PPC Series Features

- ◆ **Maintain Output Voltage at 120V +5%, 60 Hz Over an Input Range of 96 to 132V**
- ◆ **120 dB Common-Mode Noise Rejection**
- ◆ **60 dB Transverse-Mode Noise Attenuation**
- ◆ **Advanced Ferroresonant Technology**
- ◆ **Microcut Protection**
- ◆ **Brownout and Overload Protection**
- ◆ **Galvanic Isolation**
- ◆ **Low Audible Noise**
- ◆ **Surge and Sag Protection**
- ◆ **Spike and Noise Protection Per ANSI/IEEE C62.41-1980, C62.45-1987**
- ◆ **Compact and Lightweight**
- ◆ **2,4 and 6 NEMA 5-15R AC Output Receptacles**

Complete Power Conditioning

PPC Series STABILINE® Portable Power Conditioners offer the most comprehensive, reliable and affordable power quality solutions for everyday voltage related computer problems and associated downtime. All models 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.

Constant Output Voltage

The completely passive ferroresonant technology is one of the most widely used design topologies in the power conditioning marketplace. The key to its performance is the energy storing properties of the isolated and saturated transformer/capacitor networks. Designed to operate with all types of loads including nonlinear switch-mode power supplies, this circuit combination produces a constant output voltage regardless of a fluctuating input voltage. In addition, it blocks and attenuates voltage spikes and transients originating from either the input generating or output consuming power source.

A PPC Series unit improves the performance and life of protected equipment by maintaining output voltage at 120 VAC rms, $\pm 5\%$, 60 Hz over an input range of 96 to 132 VAC rms. In addition, it will provide 120 dB typical common-mode noise rejection (neutral-to-ground and line-to-ground), 60 dB typical transverse-mode noise attenuation (line-to-line) and 3 milliseconds of microcut protection.

Easy Installation

All models are housed in attractive portable cabinets and are designed for easy electrical installation. They have a 6-foot input cord and plug assembly for connection to the power source and grounded NEMA 5-15R receptacles for connecting equipment to the unit's output.

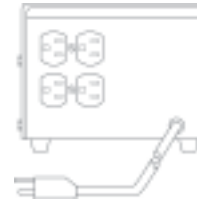
INPUT	Nominal Voltage	120 VAC		
	Voltage Range	-20% to +10%		
	Current	See Chart Below		
	Frequency	60 Hz		
	Phase Configuration	1 Phase, 2-Wire + Ground		
OUTPUT	Load VA	110 to 1800 VA		
	Power Factor	0.7 Leading to 0.8 Lagging		
	Crest Factor (I peak/Irms)	3.0 Maximum		
	Overload Capacity	125%		
	Nominal Voltage	120 VAC		
	Regulation	<i>Line</i>	± 5% of Rated Output Over Rated Input Voltage Range at Unity Power Factor, Full Load	
		<i>Load</i>	± 1.5% Maximum of Rated Output From No Load to Full Load With Rated Input Voltage	
		<i>Total</i>	± 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 + Ground		
GENERAL SPECIFICATIONS	Warranty	5 Year		
	Approvals	UL and CSA		
	Standards	ANSI/IEEE C62.41-1980, .45-1987		
	Design Technology	Ferroresonant		
	Insulation	Class H, 180°C (356°F)		
	Efficiency	83% Typical at Full Load		
	Noise Attenuation/Rejection			
		<i>Common-Mode</i>	120 dB Typical	
		<i>Transverse-Mode</i>	60 dB Typical	
		<i>ANSI/IEEE C62.41-1980, .45-1987</i>	48dB 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	2, 4 or 6 Type NEMA 5-15R		
	Temperature	<i>Operating</i>	-40°C to +40°C (-40°F to +104°F)	
	<i>Storage</i>	-40°C to +70°C (-40°F to +158°F)		
Relative Humidity	<i>Operating</i>	10% to 90% Noncondensing		
	<i>Storage</i>	10% to 90% Noncondensing		
Altitude	<i>Operating</i>	6,000 Feet (1,829 m) Max		
	<i>Storage</i>	50,000 Feet (15,240 m) Max		



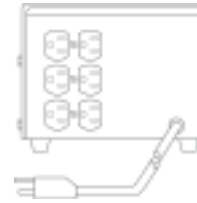
Front Panel (typical)
Note:
Model PPC61110B does not have a rocker On/Off switch.



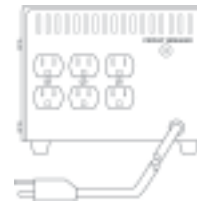
Back Panel
PPC61110B



Back Panel
PPC61210B
PPC61420B



Back Panel
PPC61650B
PPC61850B



Back Panel
PPC611100B
PPC611400B
PPC611800B
Note:
Model PPC611800B has a NEMA 5-20P input plug.

Model	AC Input (Single Phase)			Output - Nonlinear or 0.7 PF Load				Dimensions H x W x D		AC Output Receptacles NEMA 5-15R (Quantity)	Approximate Weight (Lbs/kg)	
	Input Voltage Range	Hz	Max. Amps	Nominal Output Voltage	Rated Output VA	Rated Output Watts	Max. Output Current (Amperes)	Inches	Millimeters		Net	Shipping
PPC61110B	96-132	60	0.9	120	110	80	0.9	5.5 x 6.5 x 7.8	(140 x 165 x 198)	2	11 (5)	12 (5.7)
PPC61210B			1.6		210	150	1.7	5.5 x 6.8 x 10.4	(140 x 173 x 264)	4	18 (8.2)	21 (9.6)
PPC61420B			3.2		420	300	3.5			4	25 (11.3)	28 (12.7)
PPC61650B			4.7		650	450	5.4	6.5 x 8.5 x 12.1	(165 x 216 x 307)	6	28 (12.7)	32 (14.6)
PPC61850B			6.3		850	600	7			6	33 (15)	37 (16.8)
PPC611100B			8.4		1100	800	9.1	8.3 x 10.3 x 15.8	(211 x 254 x 401)	6	48 (21.8)	53 (24.1)
PPC611400B			10.5		1400	1000	11.6			6	53 (24)	58 (26.4)
PPC611800B			13.6		1800	1200	15			6	64 (29)	69 (31.4)



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