

# Balanced Power II

## Uninterruptible Power System

Models: **BPII 20**  
**BPII 25**  
**BPII 30**

- Reliability of True On-Line Technology
- Software Upgradable DSP Control and Monitoring
- Environmentally Friendly with Small Footprint and Quiet Operation
- Remote Monitoring and Control
- Internal Batteries for Up to 33 Minutes Back Up
- 24-Hour Service Support



### UPS Specifications

#### Input

- Voltage Configuration: 3 phase, 4 wire plus ground [3 wire (60 Hz only) with optional input isolation transformer]
- Voltage Range: Nominal +10% -15%
- Frequency Range: Nominal  $\pm 5\%$  continuous,  $\pm 5\text{Hz}$  transient
- Power Factor: 0.8 lagging at nominal conditions
- Surge Protection: ANSI C62.41 (IEEE 587)

#### Environmental

- Operating Temperature: UPS - 0° to 40° C (32° to 104°F)  
Battery - 20° to 30° C (68° to 86°F)
- Humidity: 0 to 95% non-condensing
- Audible Noise: 60dBA at 1 meter
- Altitude: 8,000 ft./2,438 meters

#### Output

- Voltage Configuration: 3 phase, 4 wire plus ground
- Steady State Regulation: Nominal  $\pm 1\%$
- Dynamic Regulation:  $\pm 3\%$  for 100% step load with recovery within 16 milliseconds
- Voltage Distortion: 4% THD for 100% non-linear load
- Voltage Unbalance: Nominal  $\pm 1\%$  for 100% unbalanced load
- Inverter Overload: 125% for 15 minutes and 150% for 1 minute
- Frequency:  $\pm 0.1\%$  free running
- Slew Rate: 0.1 to 1.0 Hz per sec (selectable)
- Load Crest Factor: 3 to 1

SPECIFICATIONS		BPII 20				BPII 25				BPII 30			
Output Power		20kVA/16kW				25kVA/20kW				30kVA/24kW			
<b>AC Input:</b>													
Voltage (VAC)		208	380	480	600	208	380	480	600	208	380	480	600
Frequency (Hz)		60	50	60	60	60	50	60	60	60	50	60	60
Nominal Current (Amps)		65	36	28	23	81	44	35	28	99	54	43	34
Maximum Current (Amps) During Battery Recharge		81	44	35	28	101	55	44	35	124	68	54	43
Circuit Breaker Trip Rating (Amps)		100	60	50	35	125	70	60	45	150	80	70	60
<b>AC Output:</b>													
Voltage (VAC)		208		380		208		380		208		380	
Frequency (Hz)		60		50		60		50		60		50	
Nominal Current (Amps)		56		30		69		38		83		46	
Circuit Breaker Trip Rating (Amps)		70		40		100		50		125		60	
<b>Battery Sizing Info (50Hz/60Hz):</b>													
Nominal Voltage (VDC)		360/180				360/180				360/180			
Maximum Discharge Current (Amps)		60/121				75/151				90/181			
Circuit Breaker Trip Rating (Amps)		60/125				75/150				90/200			
DC KW		17.8				22.2				26.7			
<b>Internal Battery Options:</b>													
50 Hz—													
IBA-5-YY		19 min.				14 min.				11 min.			
IBB-5-YY		32 min.				24 min.				18 min.			
60Hz—													
IBA-YY		7 min.				4.5 min.				NA			
IBB-YY		12 min.				8 min.				5 min.			
IBC-YY		22 min.				16 min.				12 min.			
IBD-YY		29 min.				21 min.				16 min.			
IBE-YY		33 min.				26 min.				20 min.			
YY= kVA of UPS													
<b>Mechanical:</b>													
Dimensions (WxDxH)						31" x 32" x 65" (79 x 81 x 145 cm)							
Weight (Maximum)						2500 lbs. (1125 kg)							
Heat Dissipation		8.9 kBTU/Hr				11.1 kBTU/Hr				13.3 kBTU/Hr			

**Notes:** Additional input/output voltage configurations are available, including 220, 240, 400 and 415 VAC input and 220, 400 and 415 VAC output.

With dual input option, the bypass AC input must be the same voltage, frequency, phase rotation sequence and configuration as the AC output.



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