

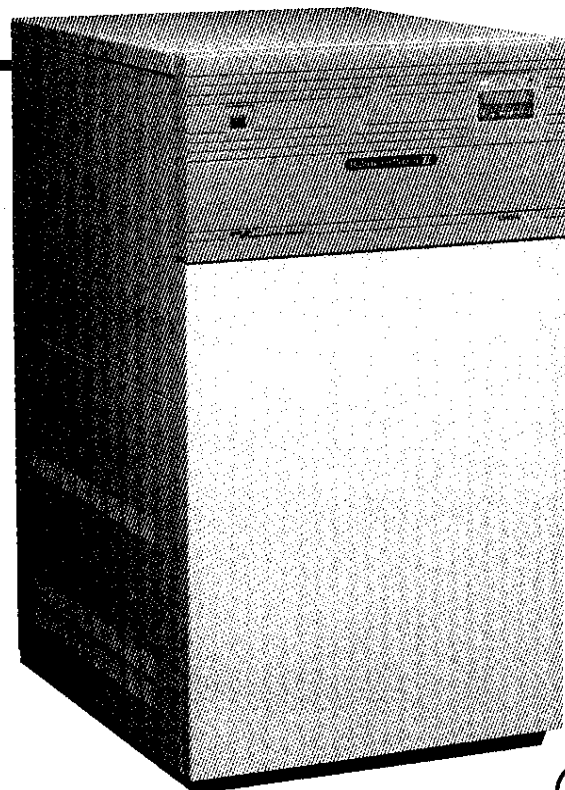
Balanced Power *II-S* Uninterruptible Power System

Model

BPII-S 15

BPII-S 18

BPII-S 20



- **Reliability of True On-Line Technology**
- **Software Upgradable DSP Control and Monitoring**
- **Environmentally Friendly with Small Footprint and Quiet Operation**
- **Remote Monitoring and Control**
- **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: 60 Hz - 2 phase, 3 wire plus ground (120° between phases), 50 Hz - 1 phase, 2 wire plus ground
- Steady State Regulation: Nominal $\pm 1\%$
- Dynamic Regulation: $\pm 3\%$ for 100% step load with recovery within 16 milliseconds
- Voltage Distortion: 3.5% THD for 100% non-linear load
- Voltage Unbalance: Nominal $\pm 1\%$ for 100% unbalanced load (60 Hz)
- 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



International Power Machines®

SPECIFICATIONS	BP11-S 15				BP11-S 18	BP11-S 20
Output Power	15kVA/12kW				18kVA/12kW	20kVA/13.4kW
AC Input:						
Voltage (VAC)	208	380	480	600	208	208
Frequency (Hz)	60	50	60	60	60	60
Nominal Current (Amps)	50	27	21	17	50	55
Maximum Current (Amps) During Battery Recharge	63	34	27	21	63	69
Circuit Breaker Trip Rating (Amps)	80	80	45	35	125	125
AC Output:						
Voltage (VAC)	208(L ₁ -L ₂), 120(L-N)		220(L-N)		208(L ₁ -L ₂), 120(L-N)	208(L ₁ -L ₂), 120(L-N)
Frequency (Hz)	60		50		60	60
Nominal Current (Amps/Line)	63		68		75	83
Circuit Breaker Trip Rating (Amps)	80		80		125	125
Battery Sizing Info:						
	50Hz/60Hz				60Hz	60Hz
Nominal Voltage (VDC)	360/180				180	180
Maximum Discharge Current (Amps)	46/92				92	103
Circuit Breaker Trip Rating (Amps)	50/100				125	125
DC KW	13.7				13.7	15.4
Internal Battery Options:						
50 Hz—						
IB1-YY	8 min.				NA	NA
IB2-YY	12 min.				NA	NA
60Hz—						
IBZ-YY	7 min.				7 min.	5 min.
IBA-YY	11 min.				11 min.	9 min.
YY= kVA of UPS IBB-YY	19 min.				19 min.	15 min.
Mechanical:						
Dimensions (WxDxH)	26" x 32" x 47.5" (66 x 81 x 121 cm)					
Weight (Maximum)	1400 lbs./635 kg					
Heat Dissipation	7.8 kBTU/Hr		7.8 kBTU/Hr		8.7 kBTU/Hr	

Notes: BP11-S 15 is available in additional input/output voltage configurations, including 220, 240, 400 and 415 VAC input and 230 (L-N) and 240 (L-N) VAC output.

BP11-S 18 & 20 available only in 60Hz (208 VAC input/output) and without optional input isolation transformer.
60 Hz ac output current data shown in amps per phase (120 V line-to-neutral).



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