IPR™ 1600 Specification Sheet

Rated Power (2 x 2 ohms)	**- 800 watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven.**
Rated Power (2 x 4 ohms)	**- 530 watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven.**
Rated Power (2 x 8 ohms)	**- 300 watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven.**
Rated Power (1 x 2 ohms)	**- 1000 watts @ 1 kHz at <0.1% T.H.D.**
Rated Power (1 x 4 ohms)	**- 600 watts @ 1 kHz at <0.1% T.H.D.**
Rated Power (1 x 8 ohms)	**- 320 watts @ 1 kHz at <0.1% T.H.D.**
Minimum Load Impedance	**- 2 ohms**
Maximum RMS Voltage Swing	**- 55 volts**
Frequency Response	**- 10 Hz - 50 kHz; +0, -3 dB at 1 watt**
T.H.D. (2 x 2 ohms)	**- <0.1% @ 600 watts per channel from 20 Hz to 1.5 kHz, decreasing to 500 watts at 20 kHz at <0.25%**
T.H.D. (2 x 4 ohms)	**- <0.1% @ 470 watts per channel from 20 Hz to 20 kHz**
T.H.D. (2 x 8 ohms)	**- <0.1% @ 250 watts per channel from 20 Hz to 20 kHz**
Input CMRR	**- > - 60 dB @ 1 kHz**
Voltage Gain	**- x 60 (+35 dB)**
Crossover	**- 100 Hz switchable 2nd order High pass and 3rd order Low Pass per channel**
Crosstalk	**- > -70 dB @ 1 kHz at 100 watts power @ 4 ohms**
Hum and Noise	**- > -105 dB, "A" weighted referenced to rated power @ 4 ohms**
Damping Factor (8 ohms)	**- > 170:1 @ 20 Hz - 1 kHz at 8 ohms**
Phase Response	**- +9 to - 86 degrees from 20 Hz to 20kHz**
Slew Rate:	**- > 12V/us**
Input Sensitivity	**- .775 volts +/- 3% for 1 kHz 4 ohm rated power, .68 volts +/- 3% for 1 kHz. 2 ohm rated power**
Input Impedance	**- 15k ohms, balanced and 7.5k ohms unbalanced.**
Current Draw @ 1/8 power	**- 550 watts @ 2 ohms, 390 watts @ 4 ohms, 250 watts @ 8 ohms**
Current Draw @ 1/3 power	**-1,160 watts @ 2 ohms, 810 watts @ 4 ohms, 460 watts @ 8 ohms**
Cooling	**- Temperature dependent variable speed 80 mm DC fan**
Controls	**- 2 front panel attenuators, crossover select switch for H.P.F, Normal and L.P.F.**
Indicator LEDs	**- 2 DDT (clip limiting), 2 Signal presence, 2 Active status, 2 Temp and 2 DC protect**
Protection	**- Thermal, DC, subsonic, incorrect loads, under and over voltage**
Connectors	**- Inputs: Dual Combi 1/4" XLR, Outputs: Dual 1/4" signal patch, dual Speakon connectors**
Construction	**- 0.062" thick aluminum**
Dimensions	**- 3.5"x19" x 10.5" behind front panel + 0.6" for handle**
Dimensions Packed	**- 4.72" x20.8" x 12.44" (120mm x 530mm x 316mm)**
Net Weight*	**- 3.23 kg (7.125 lbs.)**
Gross Weight	**- 4.31 kg (9.5 lbs.)**
Warranty	**- 5 years**

Rated power readings made with BW: <10 Hz to 22 kHz. All power measurements made at 120 VAC and 240VAC.

2 ohm power is time limited by circuit breaker.

***Net Weight does not include power cord.**