



Amplifier Comparison Guide







12-13-15



GARRAGE1217.COM

Amplifier Comparison

Description:

		Output Impedance Options:	Input Gain Selection:	Tube Bias & Voltage Selection:	Tube Heater Current Support:	Output Topology:	Recommended Headphone Impedance Range:	Pre - Out:	Price with everything: B = FACTORY BUILT K = KIT VERSION
	In our opinion and our customers that own a Starlight, She is the best, most versatile sub \$200 tube headphone amplifier you can buy. She has the ability to roll dual or quad opamps as well as a huge qty of 6 or 12v dual triode tubes. So much more than a cheap throw away amplifier with fixed tube(s) – she is well worth the extra investment!	3	Module	Manual	1A	Opamp 2 / 4	16-300Ω	No	K=\$159.99 B=\$189.99
	Sunrise, now in version III is our best selling budget monster! She has some serious grunt into low impedance headphones in which she is designed for allowing her to power most headphones on the market with ease! And of course she can roll a huge qty of 6 or 12v dual triode tubes. This is one that really hits well above her price point!	3	2 + Module	Manual	1A	SE Class A OTL	32-300Ω	Yes	K=\$214.99 B=\$249.99
	Horizon is the sister amplifier to our Project Sunrise amplifier even sharing the same PCB. Horizon was designed specifically for higher impedance headphones and covers many lower impedance cans as well. In short, Horizon covers the impedance ranges that Sunrise does not!	3	2+ Module	Manual	600mA OR 1A+ W/SC Module	SE Class A OTL	120-600Ω	Yes	K=\$239.99 B=\$274.99
	Project Ember is our flagship monster with enough power to drive the HE-6 and even the K1000! Ember makes silly, usable power from 16-600Ω covering most any headphone you could own. Not to mention killer features such as full auto bias and tube voltage selection. Tube rolling is now a plug and play affair – Ember does the rest!	3	2+ Module	Full Auto	1A+	Solid State	16-600Ω	Yes	K=\$299.99 B=\$349.99
	Project Polaris is our new vicious little solid state amplifier. Polaris features the same output stage as our loved Ember so it is capable of powering most any hard to drive headphone! Special care in the design makes Polaris sound much more like a tube amplifier than a harsh, gritty solid state. And with a slew of new features, she truly is one of a kind!	3	3+ Module (6 total combo)	N/R	N/R	Solid State	16-600Ω	Yes	K=\$214.99 B=\$249.99
	Project Solstice is our newest design! Solstice has excellent output power at over 1W into low impedance headphones and a wonderful smooth jazzy sound. Combined with auto bias like our Ember amplifier, Solstice also has the unique ability to use 12sn7 series tubes when used with our 6sn7 adapter. This feature is unique to Solstice allowing even MOAR tubes to be rolled and tried!	3	3+ Module (6 total combo)	Full Auto	1A+	Solid State	16-600Ω	No	K=\$214.99 B=\$249.99



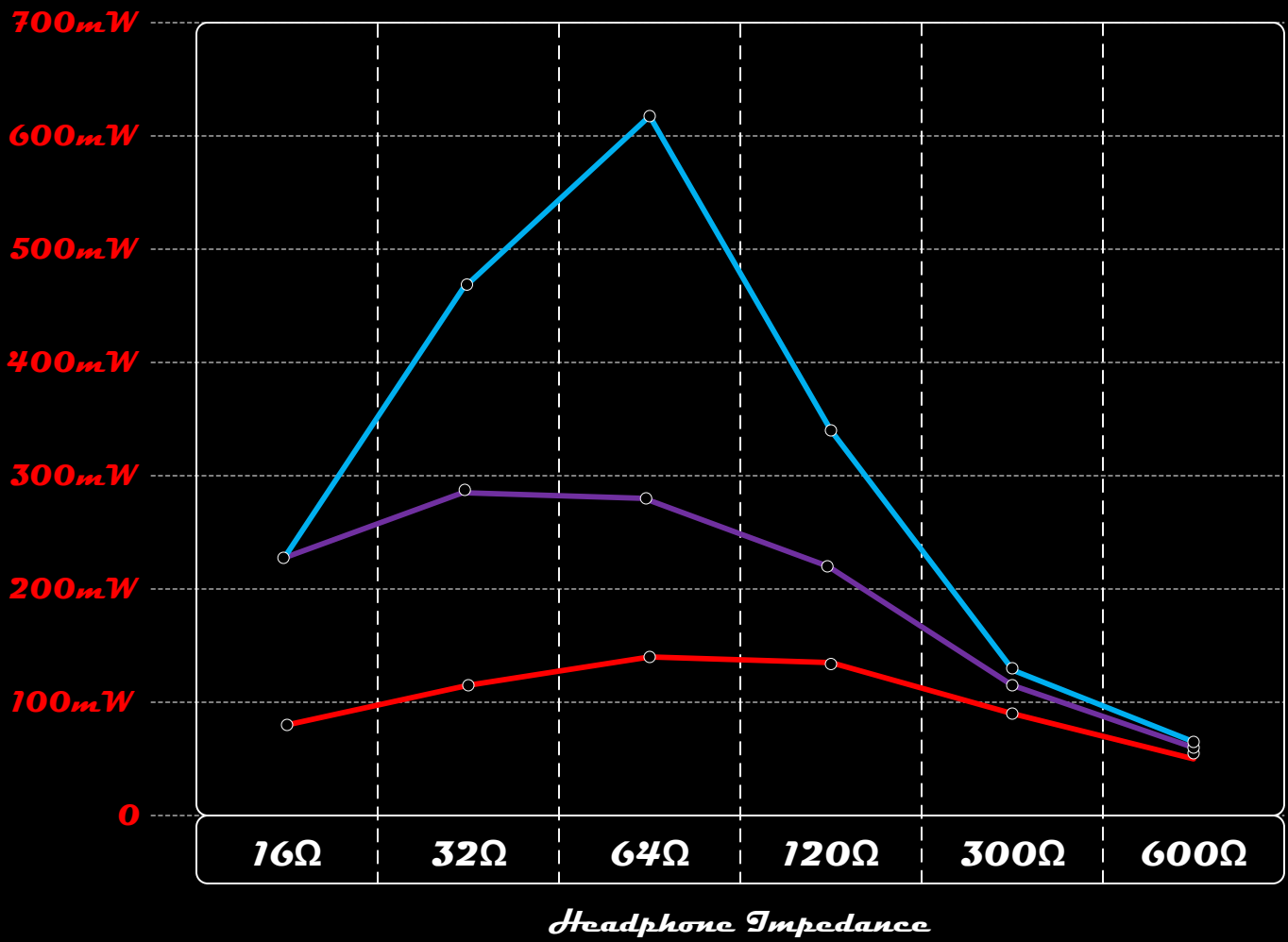
Project Starlight 1.1 Power Output

Output Resistance setting

2.5R —

34R —

72R —





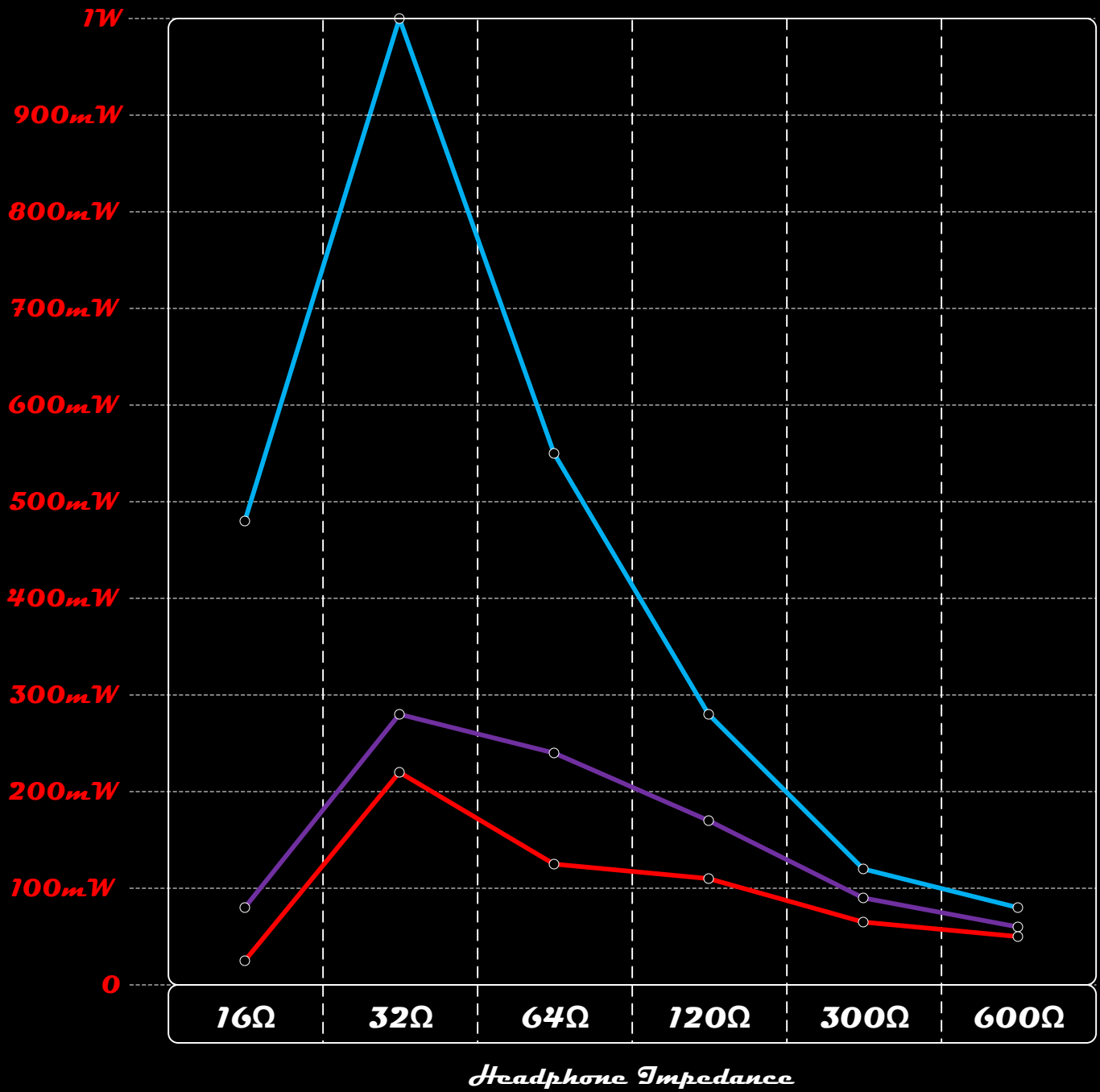
Project Sunrise III Power Output

Output Resistance setting

1.5R ———

32R ———

69R ———





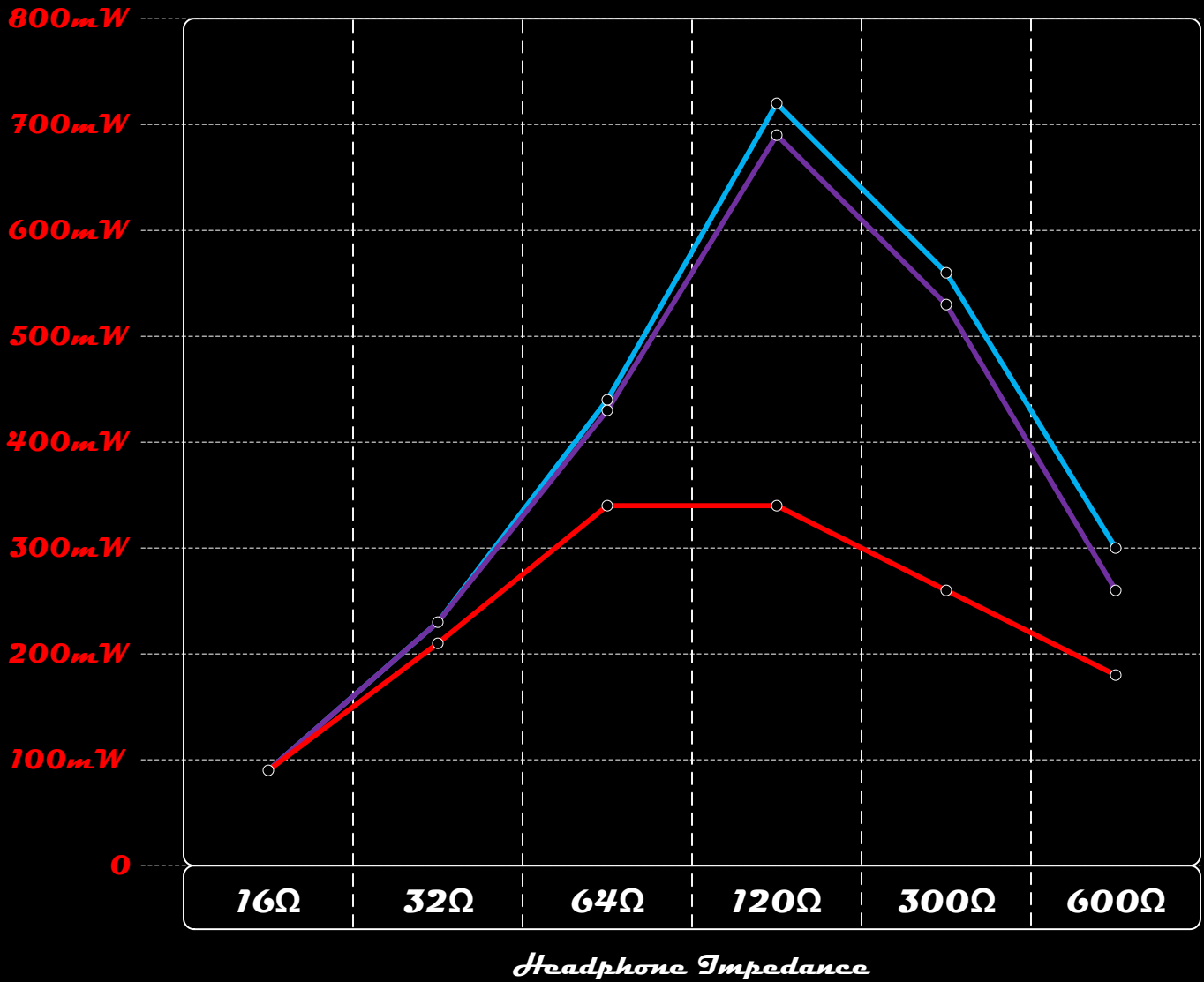
Project Horizon III Power Output

Output Resistance setting

1.5R ———

35R ———

120R ———





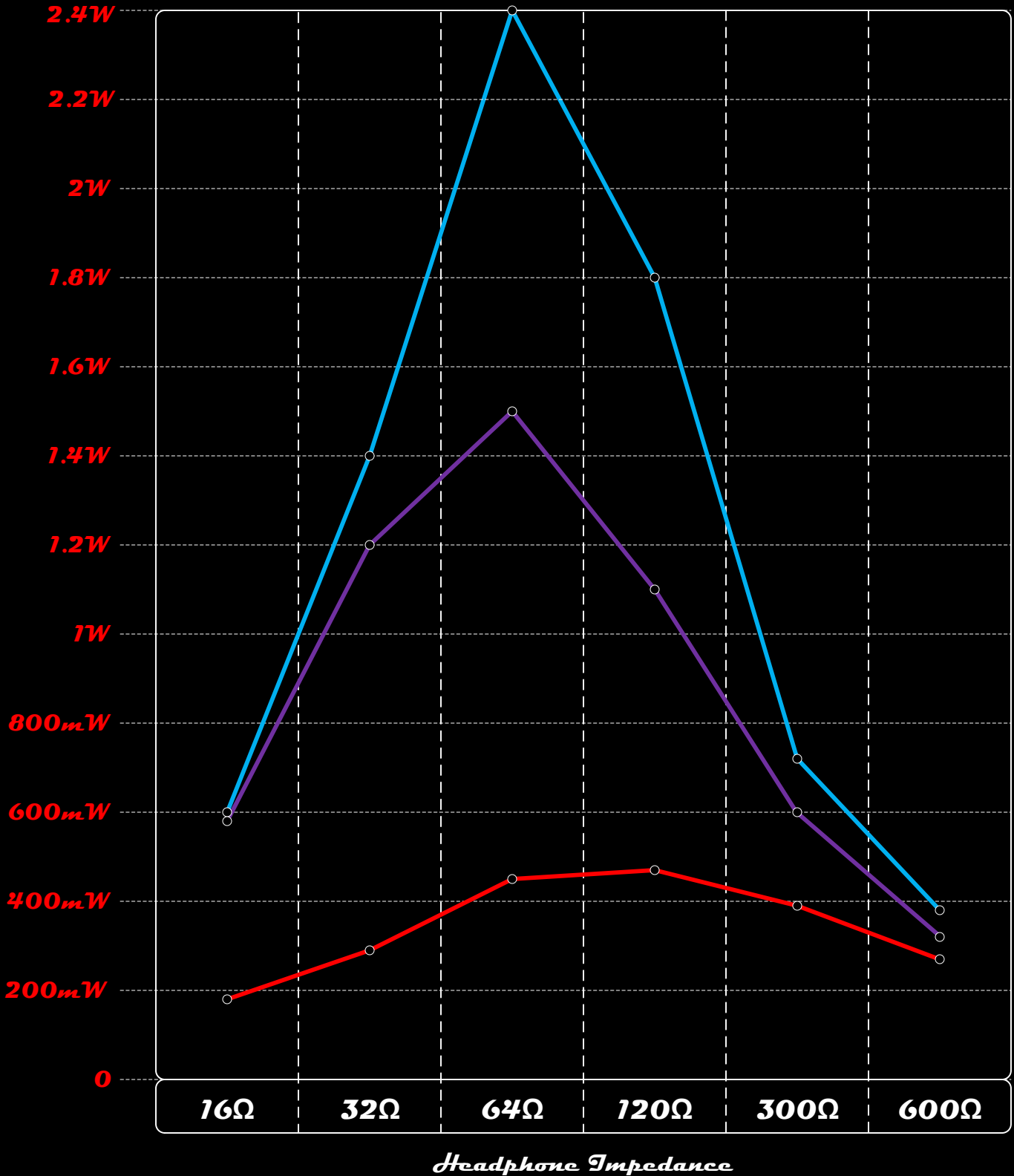
Project Ember Power Output

Output Resistance setting

.1R ———

35R ———

120R ———





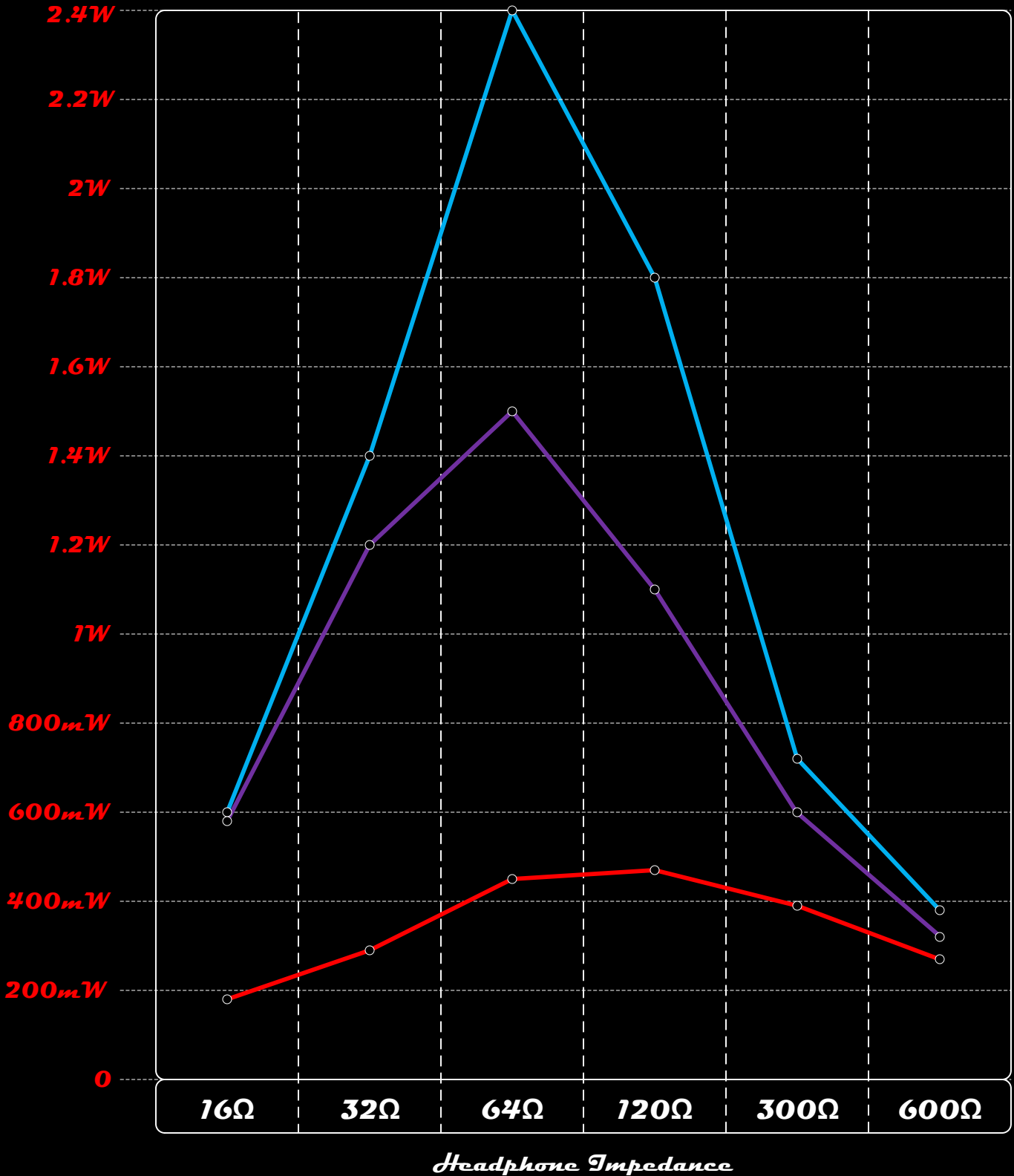
Project Polaris Power Output

Output Resistance setting

.1R ———

35R ———

120R ———





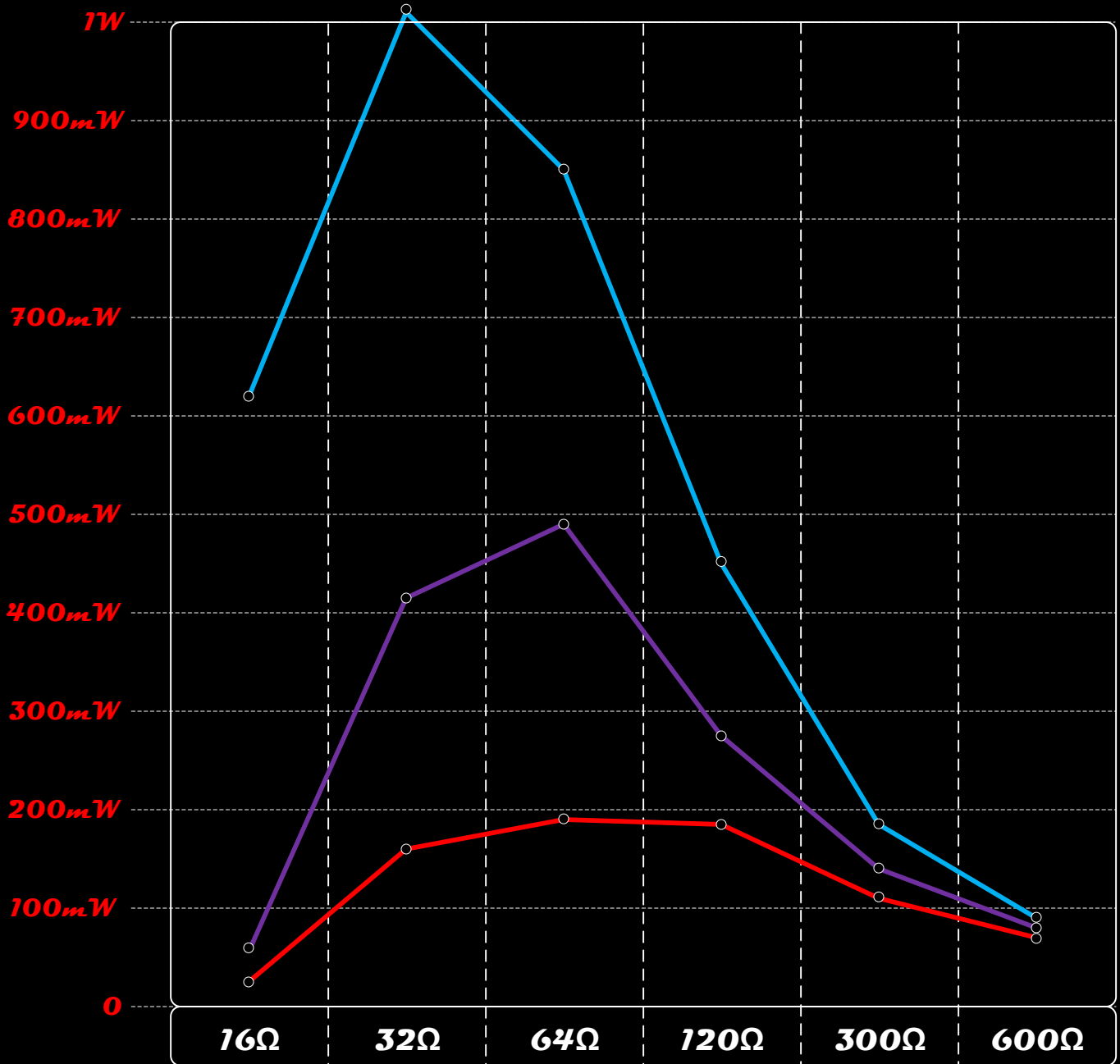
Project Solstice Power Output

Output Resistance setting

.1R ———

31R ———

68R ———



Headphone Impedance