



LINN

Valhalla LP12 Power Supply

Product Information

Introduced: 1982

How it works

The Valhalla is designed to isolate the rotation of the turntable motor from variations in the mains supply. At the heart of the Valhalla is a very low noise crystal oscillator, which produces a highly accurate square wave at an exact frequency.

As the LP12 motor runs at its quietest when driven with a clean sinusoidal waveform, a precision filter is employed in the Valhalla to remove harmonics from the square wave, leaving only a pure waveform.

The most uniform torque is delivered from the motor when both phases are driven at ninety degrees with respect to one another and this is achieved by a ninety-degree phase-shift network after the filter. The two resulting sinusoids are then boosted by an amplifier circuit, and fed to the motor windings.

Mains Supply	90–132V; 198-264V (AC)
Power Consumption	<13W

