Size

6.5” wide
11” deep
2.5” high

Shipping Box

12” wide
14” deep
7” high

Contact Info

Sutherland Engineering, Inc.
455 East 79th Terrace
Kansas City, MO 64131
Phone: +1 (816) 718-7898

Email:
ron@sutherlandengineering.com

Website:
www.sutherlandengineering.com

Weight

Unit Weight: 7 lbs
Shipping Weight: 11 lbs

Operating Voltage Requirements

105 — 125 VAC, 12 watts
210 — 250 VAC units are available on special order
Note: operating voltage is NOT universal and cannot be field modified.

Included Cables

One IEC, 6-foot-long power cable
Two DC output cables, each 6 feet long

Warranty

5 years parts and labor. Transferable. Only valid for units that have not been modified or abused.

20/20
L P S

SUTHERLAND

The 20/20 phono preamp has been around a good long time. I'm not sure when it came out. One of the early reviews was in the Feb 2011 issue of Stereophile. It's musicality and good value have kept it a top seller all these years. A quick search will show a long history of favor. Today it is seen as an enduring classic. A very good choice.

There is one point of contention. In that Stereophile review and in many discussions (including page 5 of it's owner's manual) I have had to defend the choice of using a couple of bench top (wall-wart) power supplies. The engineering choice was to spend the parts budget on the very best components in the signal path. That left a smaller budget for the power supplies.

There have been many requests, over the years, for a 20/20 power supply upgrade. Finally there is such. This new Linear Power supply is specific to the 20/20. The one box contains two isolated 48 volt linear power supplies. The truly dual mono nature of the 20/20 is preserved. Simply plug the LPS's DC cables into your 20/20 and enjoy your upgrade.

The power transformer is toroidal for minimal radiated magnetic field. The already low magnetic field is further reduced by connecting the primary windings in series rather than parallel. The transformer flux density is reduced to half of normal.

The transformer's AC output is full-wave rectified, current-limited and applied to a first stage shunt regulator. That not only gives the first stage of voltage regulation, but it also smooths the current waveform drawn thru the transformer. The usual current spikes become much more sinusoidal in shape. Thus current spikes are not injected back into the power line or project a radiated noise field.

The LPS is incredibly effective. It is also straight forward in it's simplicity. Rock solid in performance, stability and reliability. Nothing fussy about it. No active voltage series regulators to add their colorations. No switching regulator noise to deal with. Just a lower noise floor and a more relaxed and effortless presentation.