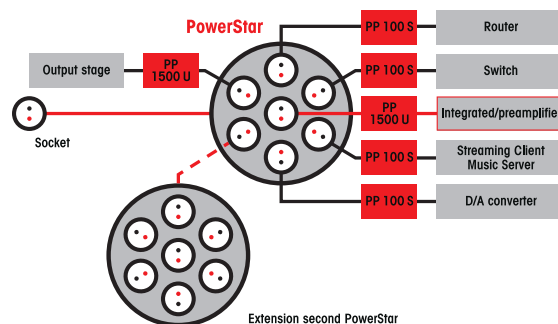


PowerPlant 100 S4



The PowerPlant is used for the decoupling of individual units from the mains which themselves emit high-frequency interference into the mains or have a particular sensitivity to mains interference.

The unique construction of the PowerPlant with multiple nested windings, many shields and specially manufactured and tuned filter modules results in a high, so-called reverse attenuation. This means that not only mains interference coming from the mains is filtered out, but also interference running from the filtered unit towards the mains.

This predestines the PowerPlant for use with digital devices. Digital devices emit high-frequency interference into the mains, which in turn has a negative effect on the sound of other devices in the system. But also phono stages and analogue drives benefit extraordinarily from a separate filtering by means of the PowerPlant. In addition, the PowerPlant filters all DC components from the mains current, completely automatically and without additional electronics that influence the sound.

A new feature of the PowerPlant 100S 4, besides the use of Ampère S, is an earthed output.

In our experience, practically all newer units built from about 2000 onwards benefit from an earth connection, as long as this is provided for by the unit. In order to prevent the penetration of interference via the earth wire and still allow a discharge away from the unit, the earth connection in the PowerPlant is gently filtered. In addition, we have completely redesigned the entire construction, consisting of filtering transformer, the filter modules and internal grounding system. In terms of sound, we achieve an even cleaner, more agile reproduction. Tone colours of voices and instruments are reproduced much more natural. Singers and instruments appear more clearly positioned in the recording space. Unlike many other concepts, our filters do not reduce dynamics. Rather, coarse and fine dynamic gradations are reproduced in a more natural and differentiated way, the dynamic range becomes larger instead of smaller.

Technically, we achieve this by generously oversizing all parts and avoiding interactions between high-frequency disturbances and the filter itself. In our experience, the last point is particularly important and can only be mastered by filter modules designed for this purpose. This is the only way to achieve the theoretically obvious increase in dynamics through filtering in practice.

Technical Data	PowerPlant 100 S4
Mains voltage	230 V ~
Current carrying capacity	100 VA Duration
Overload protection	thermal
Filter	6-fold nesting
Output	switchable, floating/ground-referenced with equipotential bonding, DC voltage-free
Construction	freely wired, potted against microphonics, 5 mm cast aluminum housing
Supply cable	0.9 m Ampère S, other lengths on order
Dimensions (WxHxD)	20 x 18.5 x 28.5 cm
Weight	2.4 kg