

ViaLiteHD® – 3U Rack Chassis Power Supplies

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- HPS-3 - Universal AC mains input
- Dual redundant operation
- LED indicator
- Remote monitoring via HRC-3
- 5-year warranty



The HPS power supply series provides DC power to all plug-in modules in the 19" 3U Rack Chassis. The HPS Power supply is suitable for universal AC mains input.

Two modules provide dual redundant operation. Separate supply inputs mean the PSUs can be operated from different supplies for even higher levels of availability. During normal operation the power supplies current-share to maximize reliability. In the event of failure, all of the Rack Chassis current will be provided by the remaining operational module. The LED on the front panel provides a visual indication of failure.

The modules are fan-cooled for maximum reliability and each PSU offers a mean time between failures (MTBF) of 270,000 hours at an ambient temperature of 40 °C.

Technical Specification

	HPS-3
Description	Wide input range AC power supply
Dimensions, Internal (W x H)	6HP x 3U
Dimensions, Internal (L x W x H)	188 x 129 x 30 mm
Weight	0.6 kg
Input supply power	110 V or 230 V nominal at 50/60 Hz 88 – 264 V absolute range
Fuse	Internal, 4A / 250 VAC
Efficiency	75%
Switch on current	<20 A @ 230 VAC
Output Voltage	12.0 +/-0.5 VDC
Output Ripple	50 mV
Maximum input current	1.6 A
Maximum output power	100 W single PSU 180 W dual PSUs
Minimum load power	12 W
Inlet air temperature	-10 to +50 °C
Derating >+50 °C	1.5% / °C, absolute maximum 70 °C
Hot-swapping and dual redundant	Yes
Output overload	Built-in overload protection switches output OFF and automatically restarts at 110% nominal current
Output over voltage protection	19 VDC
Status Indicators	Front panel Green power LED
Rear panel alarm outputs	Power good on J1 "alarm concentrator" connector 12 V = normal operation; 0 V = alarm
MTBF @40 °C	270 000 hours at 100% load