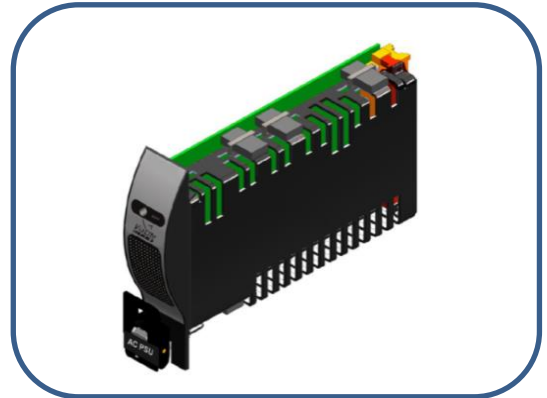


ViaLiteHD® – 3U Chassis Power Supplies

3U Chassis Power Supplies

- HPS-3 - Universal AC mains input
- HPS-3-DC - DC 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. Two versions are offered; HPS with universal mains input and HPS-DC with wide-range DC rack input. Either one or two HPS modules can be fitted.

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 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	HPS-3-DC
Description	Wide input range AC power supply	Wide input range DC 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	20 – 72 VDC
Fuse	Internal, 4A / 250 VAC	Internal, 10 A / 125 V
Efficiency	75%	84%
Switch on current	<20 A @ 230 VAC	Internal, 10 A / 125 V
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	3% / °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	

Product options

HPS-3 - **ViaLiteHD** plug-in power supply for HRK3S rack case 90-260 VAC. Fit two for hot swappable dual redundant operation.

HPS-3-DC - **ViaLiteHD** plug-in power supply for HRK3S rack case 20-72 VDC. Fit two for hot swappable dual redundant operation.

HPS-3-0 - Blank rack panel for power supply slot in HRK3S series rack chassis.

HPS-0 - Re-useable blank rack panel for power supply slot in HRK3S series rack chassis.

Product configurator

