

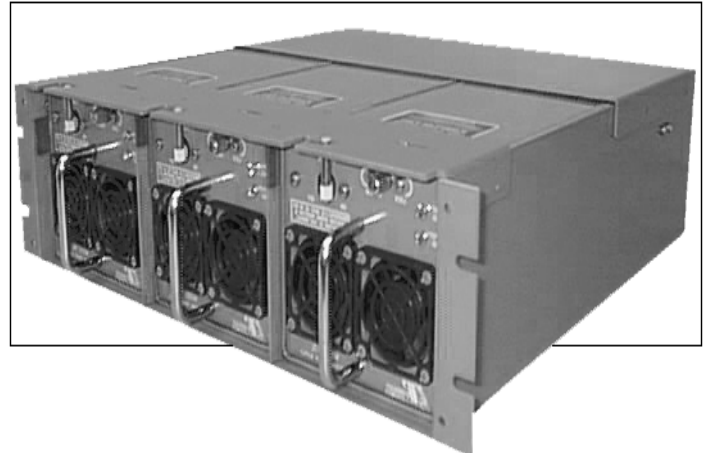
TDLDC-HS SERIES

N+1 REDUNDANT HOT SWAP POWER SYSTEMS

ONE TO SIX OUTPUTS • 2 OR 3 MODULES • 1,000W-2,000W

APPLICATIONS

The TDLDC-HS series of "hot swap rack systems" offer low height, (N+1) redundant configurations of 2 or 3 modules per enclosure. This series is especially suitable for critical telecommunication systems, computer systems, and COTS military applications



STANDARD FEATURES

- 3U 5.25"(133.35mm) high 19"(482.6mm) Rack enclosure
- 1 to 6 outputs
- MTBF > 150,000 hours
- LED indicators (each module):
 - Input power good
 - Output power good
- All outputs tightly regulated
- All outputs equipped with Isolation diodes for redundancy
- Forced Current Sharing
- O.V. Protection main output
- Floating connectors for hot swap insertion
- Remote Sensing post Isolation diodes

AVAILABLE OPTIONS

- Militarized version: MIL-STD-810
- Circular connectors type MS-3102
- Low Voltage Battery Disconnect (LVBD) for battery back-up operation
- 400Hz input

SPECIFICATIONS

Electrical

Input: 22-32 VAC or 42-56 VDC

Regulation: Line $\pm 3\%$
Load $\pm 2\%$

Ripple: 1% peak to peak, not to exceed 100mV

Efficiency: 80% typical single output units
70% typical 4 multiple outputs units

Hold up Time: 20ms min.

In Rush Current: 60A max $\frac{1}{2}$ cycle

Protections: OV, OL & OT

Mechanical & Environmental

Operating Temperature: 0°C to +50°C standard
-30°C to +60°C optional

Storage Temperature: -30°C to +85°C

Cooling: Internal DC fan

Weight: 25 lb. (11.3kg) for 3 module system

Size: 5.25"(H) x 19"(W) x 17.9" (L)
133.35mm(H) x 482.6mm(W) x 454.66mm(L)