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Switched mode power supply TP84A

300W (Watt) Rack mount power supply



Overview TP84A

- 300W Rack mount power supply
- Single-ended feed-forward topology
- Active Power Factor Correction (PFC) circuitry
- N+1 redundancy
- Stand-by mode and remote on/off control
- Integrated power- and thermal system management with LED indication
- Custom Made

Application

- Professional storage server
- Operating 24/7
- The PSU supplies the 37Vdc bus voltage of the system
- System consists out of three parallel running power supplies
- Possibility to plug in/out one PSU without affecting the performance of the 37Vdc distribution bus

Detailed specifications

Input

- | | |
|----------------------------------|-----------------|
| ▪ Universal input voltage range: | 85 - 264 Vac |
| ▪ Leakage current: | 0.5 mA RMS max. |
| ▪ Efficiency: | > 85 % |

Output

- | | |
|-------------------------|-----------|
| ▪ Dual output voltages: | 2 x 37Vdc |
| ▪ Nominal output power: | 300W |
| ▪ Peak output power: | 520W |

Protections

- Overvoltage protection
- Overload / Short circuit protection
- Thermal protection

Certificates

- UL / CE marked



Safety & EMC

- EN 60950
- UL 1950
- CSA-C22.2 -950
- EN 55022 lev B
- EN 61000 2,3
- IEC 801 2,3,4

Cooling

- Integrated radial fan

Mechanical construction

- Enclosed in metal housing
- Rack mount PSU

Connections

- | | |
|-----------|--------------------------------|
| ▪ Input: | Singatron / Inalways connector |
| ▪ Output: | Leoco connectors |
| ▪ Fan | 4 pins AMP connector |

Dimensions & weight

- | | |
|--------------------------|--------------------------------------------|
| ▪ Size PSU (L x W x H): | 240 x 140 x 43 mm
9,4 x 5,5 x 1,7 inch |
| ▪ Size tray (L x W x H): | 460 x 143 x 46 mm
18,1 x 5,6 x 1,8 inch |
| ▪ Weight: | 1,52 KG |