

Advanced TCA 48VDC 1.6KW 1U 19" AC-DC Front End PS

PS 1648



Main Features:

- 1U rack mount up to 3 units
- Internal Oring Mosfet & Current Share N+1
- High Efficiency
- Monitor and Report power supply status
- Include Management card using IPMBs
- Meets EN 55022 Conducted & Radiated Class B
- Fully protected for over-load, short circuit, over voltage over temperature and Input phase fail
- Compatible with TDK-Lambda model FPS-1000

Product Specifications:

Input

- Input Voltage : 90-264Vac 47-63Hz
- Power Factor : 0.99 typical
- Efficiency : > 89%
- Inrush Current : < 25A
- Soft Start : Initial Inrush Current Limit
- AC inlet, IEC 320 - Optional

Output

- Output Voltage : 48Vdc 1.6KW, 3.3V/5V/12V standby output.
- Ripple & Noise : 0.2V Max. p-p
- Hold-up Time : > 10mSec
- Transient Load : $\pm 3\%$ Max. For 50% step load
- Parallel Operation, Hot Swap, Warm Swap.

Indicators

- Remote On/Off
- AC Fail
- DC OK
- Fan Fail
- I2C Bus interface

Environment

- Operation Temperature: 10°C to +50°C, derate 2.5%/°C from 50 to 70°C
- Storage :- 30°C to +85°C
- Humidity :Operating 10-90%RH,Storage 10-95%RH
- Cooling : Three variable speed internal fans
- Vibration : Meet IEC60068-2-64
- Mechanical Shock : Meet IEC60068-2-27
- Immunity : IEC6100-4-2 level 3,IEC6100-4-4 level 3,IEC6100-4-5 level 3
- Safety Agency : UL, Cul 60950-1 Second Edition , CCC, BSMI and CE Mark
- MTBF: 500000 hours Per Bellcore at Ta = 30°C

Mechanical

- Size: (WxHxD) 127x41x290mm
- Weight: 1.6Kg
- Input/ Output connector: Positronic PCB24W9M400A1

Monitoring Via I2C

- IPMI 1.5 protocol for shelf management
- Monitoring output voltage & current
- Monitoring internal temperature

Outline Drawing

