

DESCRIPTION

auro-he is UNIPOWER's new generation high efficiency hot-swappable, modular Front-Ends and Rectifiers producing up to 1500 watts output power. There are 3 standard models at 48VDC and 54.4VDC output. The modules are ultra-compact with power density up to 18.75 watts per cubic inch. The modules have automatic load sharing and active output ORing circuit so they can be hot-swapped while the system is operating. An I²C Serial bus common with other UNIPOWER products is included as standard.

Front panel mounted LEDs indicate AC input and DC output status and a +5V @ 1A standby output is also included. Operating temperature range is -20°C to +70°C, but units will start-up at as low as -40°C with reduced performance.

FEATURES

- ◆ 92% Efficiency
- ◆ 1U High: 1.6"
- ◆ -40°C to +70°C Operation
- ◆ Wide Range AC Input
- ◆ Up to 1500W Output
- ◆ >0.98 Power Factor
- ◆ Output Voltages: 48VDC and 54.4VDC
- ◆ Power Density to 18.75W/Cu. Inch
- ◆ Hot Swappable
- ◆ Integral Active Output ORing Circuit
- ◆ Class B EMI Filter
- ◆ LED Indicators
- ◆ I²C Serial Bus
- ◆ Dual Speed Cooling Fans

TWO-YEAR WARRANTY

SAFETY STANDARDS

UL60950-1
 CSA22.2, No. 60950-1
 EN60950-1



FRONT-END / RECTIFIER MODULES

MAX. POWER	OUTPUT VOLTAGE	OUTPUT CURRENT	INPUT RANGE	INPUT CURRENT ¹	MODEL NUMBER ^{2,3}
1523W	54.4VDC	28.0A	180-264VAC	7.4A	RAUQ48/28-Z
1197W	54.4VDC	22.0A	85-264VAC	11.0A/5.8A	RAUP48/22-Z
1500W 1200W	48.0VDC	31.25A 25.00A	180-264VAC 85-132VAC	7.4A 11.0A	TAUQ7000-Z

Notes

1. Input currents are at 120VAC and 240VAC respectively.
2. TAUQ7000-Z senses input supply voltage and automatically adjusts output current limit as required.
3. For special requirements I2C interface can be removed (delete -Z from model number). Consult sales.

MODULE ACCESSORIES

DESCRIPTION	PART NUMBER		
	UNIPOWER	TYCO	FCI
Mating Connector	355-3368-0000	6450372-1	51816-025
Evaluation Board	009-4045-0000		

4-BAY 19" SHELF SYSTEM ORDERING GUIDE

MAX. POWER	DESCRIPTION	MAX. CURRENT	MODEL NO.
6000W	Single Output Bus IEC60320-C13 AC Input	125A	TAUQR1U4A
6000W	Single Output Bus Terminal Block AC Input	125A	TAUQR1U4B
6000W	Dual Output Bus IEC60320-C13 AC Input	62.5A/62.5A	TAUQR1U4C
6000W	Dual Output Bus Terminal Block AC Input	62.5A/62.5A	TAUQR1U4D

Note: For detailed specifications of the 19" shelf system see separate datasheet.

