

### DESCRIPTION

UNIPOWER Telecom's Ranger Series are hot-swappable, modular rectifiers which produce 25 or 50 Amperes at 54.4VDC (48V versions), 50 or 100 Amperes at 27.2VDC (24V versions) or 100 Amperes at 13.6VDC (12V version). These switching rectifier modules are compact with up to 11 watts/cu.inch power density, taking up only 3.5 inches (two rack spaces) of height. They are ideally suited for both wireless and wireline applications.

Three RRPI rectifier modules in a companion 19-inch shelf produce up to 75A at 54.4VDC, 150A at 27.2VDC or 300A at 13.6VDC; four RRPI modules in a 23-inch shelf produce up to 100A at 54.4VDC, 200A at 27.2VDC or 400A at 13.6VDC.

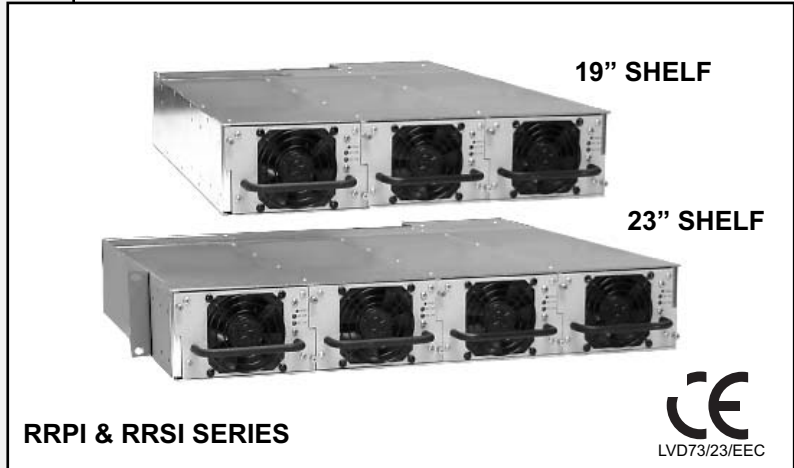
Three RRSI rectifier modules in a 19-inch shelf produce up to 150A at 54.4VDC or 300A at 27.2VDC; four RRSI modules in a 23-inch shelf produce up to 200A at 54.4VDC or 400A at 27.2VDC.

The rectifier modules have automatic load sharing and ORing diodes, so they can be added or replaced while the system is operating. The output voltage of each rectifier module can be adjusted over 45-58, 22.5-29 or 11.25-14.5VDC from a pot on the front panel, or all modules can be adjusted simultaneously from a remote analog input.

#### SAFETY STANDARDS

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

#### TWO-YEAR WARRANTY



RRPI & RRSI SERIES



### RECTIFIER MODULES

MODEL	NOMINAL OUTPUT	FACTORY SET OUTPUT	MAX. OUTPUT CURRENT	INPUT VAC
RRPI48/25	48VDC	54.4V	25A	85-264
RRPI24/50	24VDC	27.2V	50A	85-264
RRPI12/100	12VDC	13.6V	100A	85-264
RRSI48/50	48VDC	54.4V	50A	170-264
RRSI24/100	24VDC	27.2V	100A	170-264

When using with DSC1000 controller the I<sup>2</sup>C communications option must be specified by adding -Z to the above model numbers.

### SHELVES

MODEL	WIDTH	HEIGHT	NO. MODULES
RRS2U-19	19" (483MM)	3.5" (89MM)	3
RRS2U-23	23" (584MM)	3.5" (89MM)	4

### FEATURES

- ◆ Two Mounting Positions High: 3.5"
- ◆ 85-264 or 170-264VAC Input Range
- ◆ Low Energy Cost: 0.99 Power Factor
- ◆ Active Load Sharing
- ◆ Output Voltage Range:  
45-58, 22.5-29 or 11.25-14.5VDC
- ◆ Group or Individual Remote Output Adjustment\*
- ◆ Battery Temp. Compensated Charge Regulation\*
- ◆ 87% Efficiency
- ◆ Up to 11W/Cu. Inch Power Density
- ◆ Hot Swappable
- ◆ Integral ORing Diodes
- ◆ Class B EMI Filter

\* With external controller

