

Implementation of telecommunication systems



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# Switch mode power system (rectifier system) 220VAC-48VDC, 0.87-1.74kW, 1U



# Switch mode power system 220VAC-48VDC, 0.87-1.74kW, 1U

Switch mode power system PR4815/PR4830, 220VAC-48VDC, 0.87-1.74kW



### Compact power system:

- >> Rectifier modules
- >> Controller module
- >> AC, DC connection

### Features:

- >> 19" 1U sub-rack
- >> System capacity from 15A to 30A
- >> PFC technique features the system high efficiency, energy-saving and up to 0.99 power factor
- >> Intelligent fan-cooling technique brings good cooling performance, low failure rate and high reliability
- >> Fast on-line expansion of rectifier modules enabled by hot-swap
- >> N+1 rectifier module redundancy

### Application:

- >> Fiber optic network
- >> Access network
- >> Transmission equipment
- >> Mobile communication
- >> Satellite communication ground station



Model	PR4815	PR4830
Rated output current	15A	30A
Output power	870W	1740W
Rated output voltage	53.5 Vdc (42-58 Vdc)	53.5 Vdc (42-58 Vdc)
<b>AC input</b>		
AC input voltage range	176~300Vac, 1 phase/3 wires (@ full load)	
AC input frequency	45Hz ~ 65Hz	
AC input power factor	≥ 0.99	
AC transfer efficiency	≥ 91%	
<b>DC output</b>		
Output voltage range	42-58 Vdc	
Current share	±5%	
Load regulation	≤ 0.5%	
Voltage regulation	≤ 0.1%	
<b>Environment</b>		
Operating temperature	-20 to 50°C (Rectifier temp. range: -45°C to 75°C)	
Relative humidity	5%~95% RH, no condensation	
<b>Configuration</b>		
Rectifier module	1*15A	2*15A
Controller	1*CAS-03D	1*CAS-03D
<b>Others</b>		
Communication port	SNMP, RS232/RS485	
Dimensions	482x290x44 mm	
Height	1U	

### According to:

- UL60950/EN60950, EN55022, RoHS

