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Closer

# ZXDU68 B201 Power System



ZXDU68 B201

ZXD2400

ZXDU68 B201 is a high frequency switch-mode DC power system designed by ZTE. It is an embedded power system and can be put into telecom equipment's rack to save space. Based on leading proprietary and standard technology, the systems rectifier is designed with high reliability, high efficiency, well electromagnetic compatible and is easy to maintain.

The power status information system allows the remote operation center to reduce, prepare, and prioritize site visits. The system and the rectifiers are fully complying with international standards.

## Application:

- GSM/CDMA mobile station
- Microwave repeat station
- Satellite BTS station
- Transmission equipment
- Ground satellite transceiver stations
- Other small/middle capacity situation requiring reliable – 48V power supply

## Key Features

- Power efficiency is up to 94%, and the hibernation power is less than 2W
- Wide operating temperature of rectifier modules range from -40 to 70°C
- Wide input voltage range from 80 to 300V AC
- 19 inch rack mounting
- RoHS conformed
- Cater to the trend of "optical for copper"

## Benefits

- Saves electricity and reduces OPEX.
- Highly adaptable to adverse environment saves expenditure for air conditioners.
- Adaptable to various and poor power grids, provides stable power supply
- Can be embedded into equipment cabinet
- Environmental-friendly
- Ideal power solution for FTTx

## System Technical Specifications:

Parameters	Description
<b>AC Input</b>	
Rated input voltage	380V AC three phase 220V AC single phase (compatible)
Input Voltage range (phase to neutral)	80 ~ 300V AC
Maximum input current	63 A
Frequency	45 Hz – 66 Hz
Power factor	≥ 0.99 (with full load)
THD	<2.8%
<b>DC Output</b>	
Output voltage	-48V DC nominal; operating range -42~ -58V DC
Output current	200A (full load at >176V AC)
Battery input	2*100A breakers
Output breaker	Max. output 6 breakers
Efficiency	≥ 94% (rated input; full load)
Protection	OCP, OVP, UVP, OTP
Safety standard	IEC60950-1
<b>Environment Requirement</b>	
Operating temperature	-5°C ~ 45°C
Storage temperature	-40°C ~ 70°C
Relative humidity	10% to 90%
<b>Dimensions and weight</b>	
Dimensions (H x W x D)	265.6mm×482.6mm×400mm
Weight (without rectifier)	35kg

## Rectifier Technical Specifications:

Parameters	Description
<b>AC input</b>	
Input mode	Single-phase/three-line
Input voltage	Rated output: 220V AC; operating range: 80 ~ 300V AC
Input frequency	45 Hz - 66 Hz
Input current	16A (maximum)
Efficiency	≥ 94%
Input power factor	≥ 0.99
<b>DC output</b>	
Output power	Rated output power:2400 W; Maximum output power: 3000 W
Output voltage	Rated output: -48V DC, adjustable range: -42V DC ~ -58V DC
Hibernation power consumption	<2W
<b>Others</b>	
Operating temperature	-40°C ~ 70°C
<b>Mechanical parameters</b>	
Dimensions	134 mm × 87 mm × 290 mm (H x W x D)
Weight	3.8 kg
<b>Applicable standards</b>	
Electrical safety	IEC60950-1
EMC	ETSI EN300 EN61000-6-1(immunity, light industry) EN61000-6-2(immunity, light industry) EN61000-6-3(emission, light industry) EN61000-6-4(immunity, light industry)

For continuous improvement and development, the specifications are subject to change without prior notice

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