

## RCT-2000 SERIES 19 INCH MODULAR RECTIFIER SYSTEM

**INPUT VOLTAGE 380VAC**

**OUTPUT VOLTAGE 53.5VDC**

**OUTPUT CAPACITY 12KW**



**POWER380/48-200AS**

### DESCRIPTION

Embedded DC Power System is widely deployed in the Telecom/Industrial environment today, a new generation “Green & Energy Saving” system, aiming at outdoor low power mobile Telecom/Industrial power market, meeting the trend of Telecom base station development, saving construction cost and shortening the time. The system is highly adaptable with the environment, features with a wide operating temperature range, meeting the demand of high-level users.

### APPLICATION STANDARDS

Electrical	GB4943-2001 IEC 60950-1 IEC62368-1
EMI	EN 55032:2015 EN 55035:2017 EN61000-3-2:2014 EN55022, CLASS A
ESD	GB17626.2-1998/IEC61000-4-2
EFT	GB17626.4-1998/IEC61000-4-4
SURGE	GB17626.5-1998/IEC61000-4-5
DIP	GB17626.11-1998/IEC61000-4-11
Conducted Immunity	IEC61000-4-6
Radiated Immunity	IEC61000-4-3
Environment	ETSI EN 300 019-2 ETSI EN 300 132-2 RoHS

## FEATURE

- Wide operating range of AC input voltage: 323~435Vac;
- current/voltage switching tech with high efficiency  $\geq 93.2\%$ ;
- Perfect battery management, battery temperature;
- Multiple communication ports, easy for networking and remote management.
- RS485 and SNMP(Optional) communication Interface;
- Temperature compensation, LVLD or LVBD protection;
- Automatic battery test function, cycle test, quick test;
- Supports power system & module sleep, efficiency mixing, energy saving;
- Support real-time detection of the operating status of the power system;
- Support alarm real-time detection and reporting;
- Hot-swap able;
- Input over/under voltage protection;
- Output over voltage protection;
- Output over current protection;
- Output short circuit protection;
- Auto current sharing, parallel operation;

## APPLICATION

- ❖ Satellite Communication Ground Station
- ❖ SCADA Networks and Data Room
- ❖ Mobile Communication
- ❖ Fiber Optic network
- ❖ Transmission equipment
- ❖ Radio base station/cell sites
- ❖ Railway & metro
- ❖ ESS
- ❖ 5G Base Station /Micro Base Station
- ❖ Direct-current emergency power units in power stations and chemical plants

### AC INPUT

AC Con-fig.	380Vac (L+L+L+N+PE)
Input Voltage Range	323Vac-435Vac
Frequency	45-65Hz
THDi	<5%@ full load <10% @half load Rated input & Output Voltage
Mains Connection	Terminal *1

### DC OUTPUT

Output Voltage	42-58VDC 53.5Vdc nom.
Output Current(Max)	200A
Equ- charge(V)	56.4V(42-58Vdc adjustable);
Float voltage(V)	53.5V(42-58Vdc adjustable);
Voltage Regulation	$\leq \pm 1\%$
Current Sharing	$\leq \pm 5\%$
PF	0.99@380VAC/200A,
Ripple voltage	$\leq 200\text{mV} < 0-20\text{mHz} >$
Output Accuracy(V)	$\leq 0.6\%$
Load Breaker	Terminals *3
Battery Breaker	Terminals *1
BLVD	Yes
Shunt	Yes

## TECHNICAL SPECIFICATION

	POWER380/48-200A
Rectifier Module	BR483000 4PCS 50A
Efficiency	93.2%
Power Capacity	9KW@Vin>176V
Input Current	23.68A
Height	132mm(3RU)
Width	482mm(19 Inch)
Depth	410mm
Weight	21KG Approx.
Classification	IP21

## MONITOR CONTROL

	M30.1.2V2
DI& DO	6 DI & 6 DO
Local Interface	Display, Menu Structure Key Pads, LED
Remote Monitor	Rs485 & SNMP(Optional)
Battery Mid-Point	B-V2 /B-V1
User	4 Group
intelligent Wake management	Yes
Battery Temp. Sensor	Yes
Temperature	Yes
Battery Self-Test	Yes

## OTHERS

LCD display	Input/output voltage、Frequency、output current、Environment、Rate
Power status	City power 、 Output 、 Under voltage、 overload voltage
Operating Temp.	-40 to +55°C (-40 to +131°F)
Storage temp	-40 to +70°C (-40 to +158°F)
Humidity	5% to 95% RH non-condensing
MTBF	> 10,000 hours (Tambient : 25°C)
Historical Alarm Records	Up to 1000 Units
Altitude (M)	1500~3000m @ 100% load;>3000m, 1% derated @ 100m



[Contact Power Inverter Ltda. for data sheets and characterization details. Due to product development, specifications are subject to change without prior notice.](#)

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