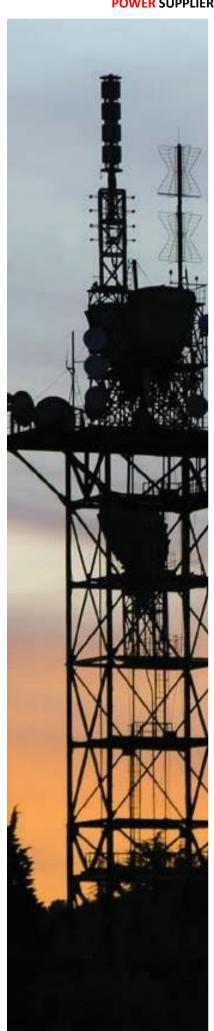


MODULAR RACK MOUNT RECTIFIER SYSTEM



RCT-2000 SERIES 19 INCH MODULAR RECTIFIER SYSTEM

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	



MODULAR RECTIFIER SYSTEM

FEATURE

- Wide operating range of AC input voltage: 323~435Vac;
- current/voltage switching tech with high efficiency ≥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

Mains Connection

DC OUTPUT

BLVD

Shunt

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

Voltage

Terminal *1

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

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	≤±1%
Current Sharing	≤±5%
PF	0.99@380VAC/200A <i>,</i>
Ripple voltage	≤200mV<0-20mHZ>
Output Accuracy(V)	≤0.6%
Load Breaker	Terminals *3
Battery Breaker	Terminals *1

Yes

Yes



MODULAR RECTIFIER SYSTEM

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	> 10,0000 hours (Tambient : 25°C)	
Historical Alarm Records	Up to 1000 Units	
Altitude (M)	$1500{\sim}3000$ m @ 100% load;> 3000 m, 1% derated @ 100 m	



Contact Power Inverter Ltda. for data sheets and characterization details. Due to

product development, specifications are subject to change without prior notice.

POWER INVERTER LTDA.

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