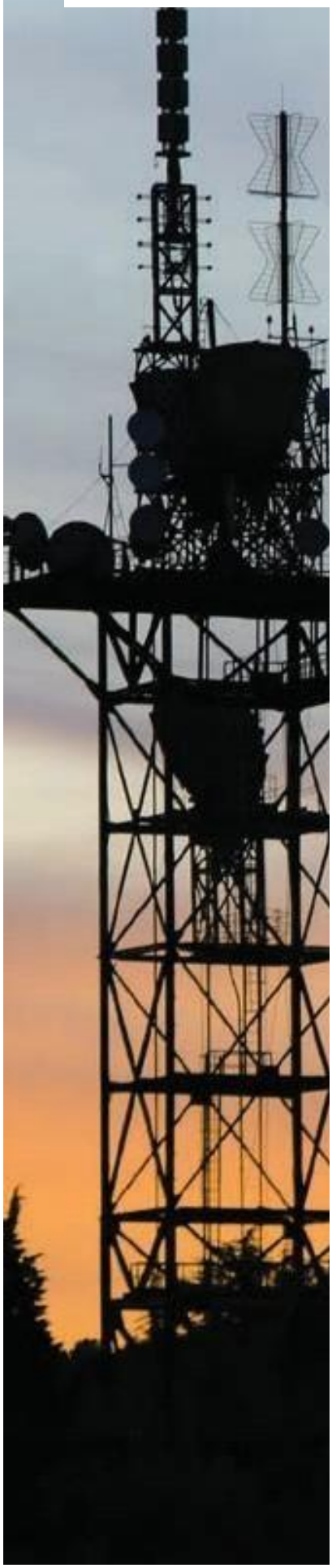
PowerInverter®
Líderes en transformaciones de energía

MODULAR RACK MOUNT RECTIFIER SYSTEM



INPUT VOLTAGE 220VAC

OUTPUT VOLTAGE 125VDC

OUTPUT CAPACITY 5000W

POWER 220/125-40AS

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 IEC60950-1
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

PowerInverter®
Líderes en transformaciones de energía

MODULAR RECTIFIER SYSTEM

FEATURE

- Wide operating range of AC input voltage: 90~290Vac;
- current/voltage switching tech with high efficiency ≥93.2%;
- Perfect battery management, battery temperature;
- Multiple communication ports, easy for networking and remote management.
- ModbusRS485 /TCP/IP/YDN23 (YD/T 1363) protocol;
- Temperature compensation, LVLD and 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

TECHNICAL SPECIFICATION

	POWER220/125-40AS
Rectifier Module	BR1102500 2PCS
Efficiency	93.2%
Power Capacity(Max)	5000W
Input Current	22.72A
Input Protection (Recom)	28.4A
Height	88mm(2RU)
Width	482mm(19 Inch)
Depth	410mm
Weight	16KG Appro.
Classification	IP21

AC INPUT	
AC Con-fig.	220Vac (L+N+PE)
Input Voltage Range	90Vac-290Vac
Frequency	45-65Hz
THDi	＜5%@ full load ＜10% @half load Rated input & Output Voltage
Mains Connection	Terminal

DC OUTPUT	
Output Voltage	90-149VDC 125vdcVdc nom.
Output Current(Max)	44A
Equ- charge(V)	127V(90-149Vdc adjustable);
Float voltage(V)	121V(90-149Vdc adjustable);
Voltage Regulation	≤±1%
Current Sharing	≤±5%
PF	0.99@220VAC/60A, ≥0.98@220VAC/30A;
Ripple voltage	≤200mV<0-20mHZ>
Output Accuracy(V)）	≤0.6%
Load Breaker	3 Terminal
Battery Breaker	1 Terminal
BLVD	Yes
Shunt	Yes

PowerInverter®
Líderes en transformaciones de energía

POWER SUPPLIER

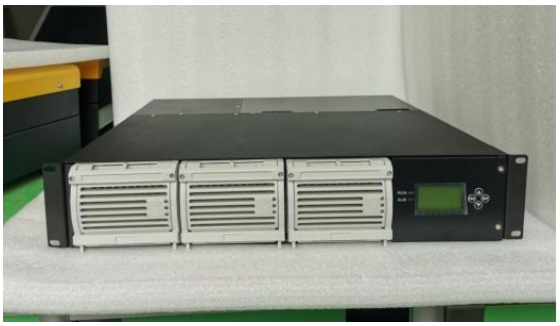
MODULAR RECTIFIER SYSTEM

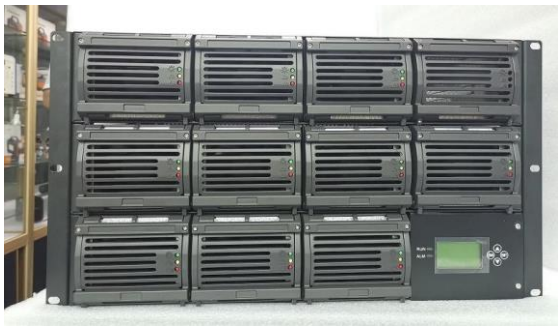
MONITOR CONTROL

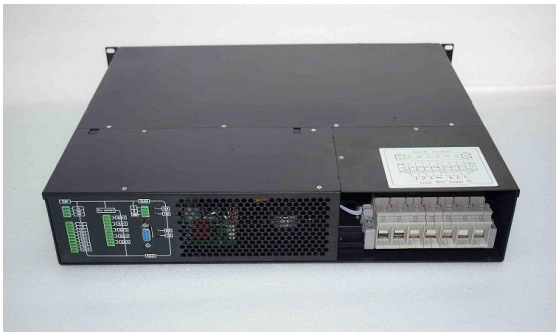
	M30.1.2V2
Digital Input	6 DI
Local Interface	Display, Menu Structure Key Pads, LED
Remote Monitor	TCP/IP,Rs485,SNMP (Optional),6 alarm Relays
Battery Mid-Point	B-V2 /B-V1
User	4 Group
intelligent Wake management	Yes
Battery Temp. Sensor	Yes
Temperature	Yes
Battery Self-Test	Yes

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）	Full output Capacity ≤3000m,more than 3000m, Rise every 100m, output Capacity derated 1%.







Contact POWER INVERTER LTDA for data sheets and characterization details. Due to product development, specifications are subject to change without prior notice.

ventas@powerinverter.cl WWW.POWERINVERTER.CL

Add: Enrique Campino 763, La Florida – Santiago CHILE
Tel:+56 227615261

WEBSITE