TELECOM
19 INCH RACK-MOUNT INVERTERS

2RU RACK MOUNT
INVERTER
INPUT 110VDC
OUTPUT 125VAC

The pure sine wave ATP-1000 Series inverters are Atlantic Power new expand customize inverter.
This Series is a professional 19" rack enclosure with a wide range of options to suit applications.

Description

This type Rack Mount Inverter with a new generation of dual input inverter solution designed for the field of communication applications, which is suitable for the high reliability of the communication system. The solution is equipped with 125V AC power supply and 110V DC power Input, which fills the gap between the traditional UPS power supply and common pure sine wave inverter solutions.

It uses a novel design structure that helps users to provide Pure, stable and durable AC power for critical loads, and has the same high reliability as the AC power supply system. The design characteristics of the dedicated communication pure sine wave inverter ensure the seamless conversion between the AC and DC power supply, almost no conversion delay, and build in the static switch.

Feature

- Standard 19" Rack mount 2 RU Chassis;
- True sine wave output (T.H.D < 3%);
- Large 128*64 digital Lcd display data information,4 led display working;
- 5 Routes Dry contact for system (DC input fault, AC input fault, overload information, by-pass information and output fault);
- RS232 and RS485 & Optional SNMP communication Port;
- Power-on self-test, Soft output start, Start auto restart while Ac or Dc is recovering;
- Auto switch function: DC to AC, AC bypass, less than 5ms;
- Real-time monitoring of the system operating status, Audible and visual alarm;
- Record the historical alarm message and can be queried;
- Build in voltage regulator Stabilize AC voltage;
- Maintenance bypass /DC available;
- Protection: Short load protection, over load protection, battery over/under voltage
- protection, over current, over temperature;

Copyright © 2021 Atlantic Power Energy

Technical Data

Model	ATP110/120-1KVA
INPUT	
Battery Input Voltage	110Vdc
Battery Voltage Range	104-145Vdc
DC Input Current	9.61A Max
Bypass Input Voltage	125VACNorm
Bypass Voltage Range	98-144VAC
AC Input Frequency	60Hz
Frequency Range	43~67Hz
PF	>0.8
OUTPUT	
Output Capacity	1000VA
Rated Output Capacity	800W
Output Terminals	3*Terminals or 3*Nema -15 Socket
Rated output Voltage	125VAC (Inverter Mode)-
Rated Output Current	6.4A
Output Voltage Range	125Vac(Tolerance ±1.5% @Inverter Mode)
Output Efficiency	≥85% (Inverter Mode)
Output Frequency	60Hz
Output Wave	Pure Sine
THD	≤3% (Line Load)
Switch Time (By pass to Inverter mode)	≤5ms (With Load)
PROTECTIVE FEATURE	
AC Under Vol. Switch Protection	≤90Vac (Backlash voltage≥10Vac)
AC over Volt. Switch protection	≥144AC
Over-Temperature	Yes (Auto Switch)
BAT. under vol. protection point	≤90
Battery Low-voltage alarm	90±0.5
Battery overvoltage protection point	≥155VDC
Battery overvoltage recovery point	≥145VDC
Cooling	2*Fans
	Temp.Control@ Inner Temp.>45℃ & Speed According to the output Capacity@ Output Capacity >50%
OUTPUT OVER CURRENT PROTECTION	
Over Load Capacity	Continue working @overload 110%
Over Load Capacity	Continue working 60s @ overload 110%~130%
Over Load Capacity	Continue working 10s @over load >150%
Over Temp. Protection	Yes
short circuit Protection	Yes (Don't test under AC Connect)
Reverse connection protection	Yes
Output OVP	≥144VAC(Inverter Mode)
Output low voltage alarm	≤90VAC (Inverter Mode)
SAFETY AND EMC	
Dielectric strength (AC-Chassis)	350*0Vdc/10mA//1min .No flash over, no breakdown, no arc (Only AC Input priority)
Dielectric strength(DC-Chassis)	750Vdc/10mA/1min. No flash over, no breakdown
LVD	EN 60950-1
EMC/EM I	EN 61000-6-3; EN 61000-6-1 ;IEC 61000-6-2 and IEC 61000-6-4
ROHS	IEC 62321-4 , IEC 62321-5,IEC 62321-6,IEC 62321-7,IEC 62321-8

Copyright © 2021 Atlantic Power Energy

ENVIRONMENT TEST PERFORMANCE	
Ambient Temp.	-20~ +50℃
High temperature operation	50±2℃ (rated load 24H)
Low temperature operation	-20±2℃ (rated load 24H)
High temperature storage	80±2 ℃，24H
Low temperature storage	-40±2℃，24H
Humidity	0~90%，No moisture condensation
Operating Altitude (m)	"Altitude Full power below2000m. >2000m derating -2% / 100m, max altitude 5000m"
COMMUNICATION	
Rs232 & Rs485	Yes
SNMP	Optional
Dry Contact	5 group
LCD DISPLAY	
LCD Status	"Input and output Voltage, Frequency, Output Current, Temp., Load Rate, LOGO etc."
Inverter Status	Normal Mains, Normal Inverter, Battery Under-voltage and output overload etc.
MEASUREMENT	
Size W*D*H(mm)	482*347*88mm
Weight	11.5KG

Live Product

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

Copyright © 2021 Atlantic Power Energy