

TELECOM 19" Rack Inverters

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

2RU RACK MOUNT
INVERTER
POWER 2400W/3000VA
INPUT 48VDC
OUTPUT 220VAC



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 230V AC power supply and 48V 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.

Features

- 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, bypass 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 6ms
- 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



Specifications

Model	ATP-T48//220-3KVA
INPUT	
AC Input Voltage	170-270 _{AC}
Battery Input Voltage	48V _{DC}
Battery Voltage Range	45.5-57V _{DC}
Cooling	4*Fans (Temp.Control Speed According to the output capacity)
DC Input Current	65.93Max
Output Frequency	50Hz/60Hz±1%
OUTPUT	
Output Capacity	3000VA
Rated Output Capacity	2400W
Rated output Voltage	220V _{AC} (Inverter Mode)
Rated Output Current	10.9A
Output Voltage Range	220V _{AC} (Tolerance ±1.5% @Inverter Mode)
Output Efficiency	≥85% (Inverter Mode)
Output Frequency	50Hz/60Hz
Frequency Range	43~67Hz
Output Wave	Pure sine wave
THD	≤3% (Line Load)
Switch Time (By pass to Inverter)	≤6ms (With Load)
PROTECTIVE FEATURE	
AC Under Voltage Switc	≤176V _{AC} (Backlash voltage≥10Vac)
AC over Voltage Switch protection	≥264AC
Over-Temperature	Yes (Auto Switch)
Battery under voltage protection point	≤40V _{DC}
Battery Low-voltage alarm	43V _{DC} ±0.5
Battery overvoltage protection point	≥60V _{DC}
Battery overvoltage recovery point	≤57V _{DC}
OUTPUT OVER CURRENT PROTECTION	
Over Load Capacity	Continue working 60s @100%<load<120%
Over Load Capacity	Continue working 10s @ 121%<Load<150%
Over Temp. Protection	Yes
Short circuit Protection	Yes (Don't test under AC Connect)
Reverse connection protection	Yes
Output OV	≥264V _{AC} (Inverter Mode)
Output low voltage alarm	≤176V _{AC} (Inveter Mode)

SAFETY AND EMC	
Dielectric strength (AC-Chassis)	3500V _{DC} /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
ENVIRONMENT TEST	
Ambient Temp.	-20~ +50°C
High temperature operation	50±2°C (rated load 24H)
Low temperature operation	-20±2°C (rated load 24H)
High temperature storage	80±2 °C, 24H
Low temperature storage	-40±2°C, 24H
Humidity	0~90%, No moisture condensation
Operating Altitude (m)	Altitude Full power up to 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)	482mm *370mm*88m (2RU)
Weight	11KG

