

TELECOM 19 INCH RACK-MOUNT INVERTERS

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

2RU/4RU RACK MOUNT
INVERTER
INPUT 220VDC
OUTPUT 230VAC



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 230VAC power supply and 220VDC 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(1-6KVA)/ 4RU(8-10KVA) 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;

Technical Data

Model	BWT220/ 230-1KVA	BWT220/ 230-2KVA	BWT220/ 230-3KVA	BWT220/ 230-4KVA	BWT220/ 230-5KVA	BWT220/ 230-6KVA	BWT220/ 230-8KVA	BWT220/230- 10KVA
INPUT								
AC Input Voltage	170-270VAC							
Battery Input Voltage	125Vdc							
Battery Voltage Range	100-150Vdc							
Cooling	2*Fans		4*Fans		6*Fans		4*Big Fans	
DC Input Current	10A Max	20A Max	30A Max	40A Max	50A Max	60A Max	80A Max	100A Max
Output Frequency	60Hz±1%							
OUTPUT								
Output Capacity	1KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA
Rated Output Capacity	800W	1600W	2400W	3200W	4000W	4800W	6400W	8000W
Rated output Voltage	230VAC (Inverter Mode)							
Rated Output Current	3.48A	6.96A	10.43A	13.91A	17.39A	20.87A	27.83A	34.78A
Output Voltage Range	230Vac(Tolerance ±1.5% @Inverter Mode)							
Output Efficiency	≥85% (Inverter Mode)							
Output Frequency	50Hz							
Frequency Range	47~53Hz							
Output Wave	Pure sine wave							
THD	≤3% (Line Load)							
Switch Time (By pass to	≤5ms (With Load)							
PROTECTIVE FEATURE								
AC Under Voltage Switch	≤88VAC (Backlash voltage≥5Vac)							
AC over Voltage Switch	≥140VAC							
Over-Temperature	Yes (Auto Switch)							
Battery under voltage	≤40VDC							
Battery Low-voltage alarm	42VDC±0.5							
Battery overvoltage protection	≥60VDC							
Battery overvoltage recovery	≤57VDC							
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	≥135VAC(Inverter Mode)							
Output low voltage alarm	≤88VAC (Inveter Mode)							
SAFETY AND EMC								
Dielectric strength (AC-Chassis)	3500Vdc/10mA//1min .No flash over, no breakdown, no arc (Only AC Input priority)							
Dielectric strength	750Vdc/10mA/1min. No flash over, no breakdown							

LVD	EN/IEC 62368-1
EMC/EM I	EN 55032:2015,EN55035:2017,EN /IEC 61000-3-2,EN/ IEC 61000-3-3
ROHS	IEC62321-4,IEC62321-6,IEC62321-7

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 up to 2000m.derating -2% / 100m, max altitude 5000m

COMMUNICATION

Rs232 & Rs485	Yes
SNMP	Optional
Dry Contact	5 groups of passive dry contacts respectively for DC input fault,AC input fault,overload information,by-pass information and output fault

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	1KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA
Size W*D*H(mm)	482*347*88mm			482*410*88mm			482*176*436mm	
Weight	10KG			14KG			30KG	

Live Product

