

2RU/4RU RACK MOUNT

INVERTER

INPUT 125VDC

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 125VDC 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	SBWT125- 230-2KVA	SBWT125- 230-3KVA	SBWT125- 230-4KVA	SBWT125- 230-5KVA	SBWT125- 230-6KVA	SBWT125- 230-8KVA	SBWT125- 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
Output Frequency	60Hz±1%						
OUTPUT							
Output Capacity	1KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA
Rated Output Capacity	800W	1600W	2400W	3200W	4000W	4800W	8000W
Rated output Voltage	230VAC (Inverter Mode)						
Rated Output Current	3.48A	6.96A	10.43A	13.91A	17.39A	20.87A	27.83A
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	≤176VAC (Backlash voltage≥5Vac)						
AC over Voltage Switch	≥264VAC						
Over-Temperature	Yes (Auto Switch)						
Battery under voltage	≤100VDC						
Battery Low-voltage alarm	100VDC±0.5						
Battery overvoltage protection	≥150VDC						
Battery overvoltage recovery	≤125VDC						
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	≥264VAC(Inverter Mode)						
Output low voltage alarm	≤176VAC (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

