尺寸:A5

|材質:一般書寫紙(白)

印刷:黑白雙面印刷

原料號:75-1000-0165 A0

新料號(加版本):75-1000-0226 A1

A1修改內容:封面圖片更新

※ 無庫存、無打樣、故不變新料號

※ 以上敘述非本文



ST Series



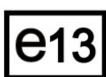


Pure Sine Wave Power Inverter User's Manual











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1. Important Safety Instructions



WARNING!

Before using the Inverter, read and save the safety文件,多instructions.

1-1. General Safety Precautions

- 1-1-1. Do not expose the Inverter to rain, snow, spray, bilge or dust. To reduce risk of hazard, do not cover or obstruct the ventilation openings. Do not install the Inverter in a zero-clearance compartment. Overheating may result.
- 1-1-2. To avoid a risk of fire and electronic shock. Make sure that existing wiring is in good electrical condition; and that wire size is not undersized.
 - Do not operate the Inverter with damaged or substandard wiring.
- 1-1-3. This equipment contains components which can produce arcs or sparks. To prevent fire or explosion do not install in compartments containing batteries or flammable materials or in locations which require ignition protected equipment. This includes any space containing gasoline-powered machinery, fuel tanks, or joints, fittings, or other connection between components of the fuel system.

1-2. Precautions When Working with Batteries

- 1-2-1. If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enters eye, immediately flood eye with running cold water for at least 20 minutes and get medical attention immediately.
- 1-2-2. Never smoke or allow a spark or flame in vicinity of battery or engine.
- 1-2-3 Do not drop a metal tool on the battery. The resulting spark or short-circuit on the battery of other electrical part may cause an explosion.
- 1-2-4. Remove personal metal items such as rings, bracelets, necklaces, and watches when working with a lead-acid battery.
 - A lead-acid battery produces a short-circuit current high enough to weld a ring or the like to metal, causing a severe burn.



2. Functional Characteristics

2-1. General Information



ST-series completes with stand –alone power inverter with AC transfer switch and is suitable for RV, Marin and Emergency appliances.

Either mode is front panel programmable.

In the first option, **Off-line mode**, AC output power will be supplied through the AC bypass mode in its normal operation. Upon AC input failure, output power will be diverted through the DC to AC Inverter Mode. Once AC mains are restored, the unit will revert from the Inverter Mode to the Bypass Mode.

In the second option, **On-line mode**, AC output power will be provided directly by the inverter from the DC source. Should the DC source or inverter fail, the system will transfer its output power through the bypass mode. Once the DC power source is restored, the system will revert to the inverter mode.

This power inverter series is a member of the most advanced line of mobile AC power systems available.

To get the most out of the power inverter, it must be installed and used properly. Please read the instructions in this manual before installation and operation this model.



WARNING!

The above two option are fixed during the production and customer unable to modify.



2-2. Application

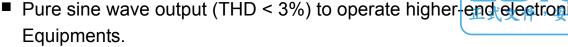
- 2-2-1 Power tools-circular saws, drills, grinders, sanders, buffers weed and hedge trimmers, air compressors.

 正式文件,妥善保存
- 2-2-2. Office equipment computers, printers, monitors, facsimile machines, scanners.
- 2-2-3. Household items vacuum cleaners, fans, fluorescent and incandescent lights, shavers, sewing machines.
- 2-2-4. Kitchen appliances coffee makers, blenders, ice markers, toasters.
- 2-2-5 Industrial equipment metal halide lamp, high pressure sodium lamp.
- 2-2-6. Home entertainment electronics television, VCRs, video games, stereos, musical instruments, satellite equipment.





2-3. Features





- Output frequency : 50 / 60Hz switch selectable
- Built in 16A/25A or 30A rating transfer switch.
- Speed up transfer time and synchronized operation with the AC source at all times that allows the transfer to be interruption-free for sensitive equipments.
- Built in advance microprocessor to make friendly interface with user.
- Low power "Power Saving Mode "to conserve energy
- Capable of driving highly reactive & capacitive loads at start moment.
- Hardwire AC connection model option.
- Loading controlled cooling fan.
- Smart remote controller.
- 3 LED indicators with tri-color display all operation status.
- High efficiency 88 ~ 94%.
- Protection:

Input over voltage and Input low voltage protection.

Low battery alarm

Over temperature protection.

Over load protection

Short Circuit protection

Reverse polarity protection.

文管中小C circuit breaker (6Amp to 30Amp)



2-4. Electrical Performance

Specification			Mode	el No.		TE	
Item	ST1000-112	ST1000-124	ST1000-148	ST1000-212	ST1000-224	ST1000-248	
Continuous Output Power	1000W 1150W						
Maximum Output Power (3Min.)							
Surge Rating	2000W						
Input Voltage	12V	24V	48V	12V	24V	48V	
Output Voltage	100 /	/ 110 / 120V	± 5%	220 /	230 / 240V	± 3%	
Frequency (Switch Selectable)	50 / 60Hz						
Output Waveform		Р	ure Sine Wa	ve (THD < 39	%)		
Efficiency (full load)	88%	90%	92%	90%	93%	94%	
No Load Current Draw	1.43A	0.75A	0.38A	1.25A	0.65A	0.35A	
Stand-By Current Draw	0.25A	0.15A	0.09A	0.25A	0.15A	0.09A	
Input Voltage Regulation	10.5-15	21.0-30	42.0-60	10.5-15	21.0-30	42.0-60	
	VDC	VDC	VDC	VDC	VDC	VDC	
Input Level Indicator Load Level Indicator		R	Red / Orange	/ Green LE	:D		
			Dod	LED			
Failure Indicator	Overload	, Short Circu	Red uit, Reverse		se), Over Ten	nperature	
Protection		•	nput Voltage	• •	• •	•	
Circuit Breaker		30 Amp			6 Amp		
Remote Control Unit			CR6 / CR8	Optional			
Synchronous AC transfer			YI	ES			
Transfer switch		30 Amp			16 Amp		
Transfer Time	Inverter to		~ 10msec. ;	Utility AC to	inverter : 10	6 ~ 50 msec	
Safety		Meet UL458					
EMI Conduction&Radiation EMS Immunity	Comp	liance to FCC C	Class A	Compliance to EN55022 classA Compliance to EN61000-3-2,3			
EMC Lyp				-	pliance to EN60	•	
e-MAFK					to e-13*72/245/E		
Operating Temperature Range	0 – 40 ~						
Storage Temperature Range	-30 ~ to 70 ~						
Cooling		Loa	ading contro	lled cooling	fan		
Dimensions	373	s(L)*236(W)*	115(H) mm /	14.7(L)*9.29((W)*4.53(H) I	nch	
Weight	6.2 kg / 13.6 Lbs.						



Specification			Mode	el No.			
Item	ST1500-112	ST1500-124	ST1500-148	ST1500-212	ST1500-224	ST1500-248	
Continuous Output Power	1500W 正式文件,妥						
Maximum Output Power (3Min.)	1725W						
Surge Rating			300	0W			
Input Voltage	12V	24V	48V	12V	24V	48V	
Output Voltage	100 /	110 / 120V	± 5%	220 /	230 / 240V	± 3%	
Frequency (Switch Selectable)			50 / 6	60Hz			
Output Waveform		P	ure Sine Wa	ve (THD < 3%	%)		
Efficiency (full load)	88%	91%	92%	92%	93%	94%	
No Load Current Draw	1.45A	0.75A	0.40A	1.40A	0.70A	0.40A	
Stand-By Current Draw	0.28A	0.15A	0.09A	0.28A	0.15A	0.09A	
Input Voltage Regulation	10.5-15 VDC	21.0-30 VDC	42.0-60 VDC	10.5-15 VDC	21.0-30 VDC	42.0-60 VDC	
Input Level Indicator	Red / Orange / Green LED						
Load Level Indicator							
Failure Indicator	Red LED						
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over Temperature Over/Under Input Voltage, AC Input Circuit Breaker						
Circuit Breaker	30 Amp 10 Amp						
Remote Control Unit	CR6 / CR8 Optional						
Synchronous AC transfer	YES						
Transfer switch	30 Amp 10Amp						
Transfer Time	Inverter to utility AC : 8 ~ 10msec. ; Utility AC to inverter : 16 ~ 50 ms						
Safety		Meet UL458					
EMI Conduction&Radiation	Comp	liance to FCC C	lass A	Compliance to EN55022 classA			
EMS Immunity				Compli	ance to EN6100	0-3-2,3	
LVD				Compliance to EN60950-1			
è-MARK				Compliance to e-13*72/245/ECC,95/54 EC			
Operating Temperature Range	0 - 40 ~						
Storage Temperature Range	-30 ~ to 70 ~						
發行 cooling	Loading controlled cooling fan						
· · · · · · · · · · · · · · · · · · ·	403(L)*236(W)*115(H) mm / 15.9(L)*9.29(W)*4.53(H) Inch						
Dimensions	403	(L)"236(W)" I	15(H) mm /	15.9(L)*9.29(W)"4.53(H) I	ncn	



	Specification	Model No.							
		ST2000-112	ST2000-124	ST2000-148	ST2000-212	ST2000-22	4 ST2000-24		
Con	tinuous Output Power	2000W 正式文件							
Maxim	um Output Power (3Min.)	2300W							
	Surge Rating			400	ow				
	Input Voltage	12V	48V						
	Output Voltage	100 /	110 / 120V	± 5%	220 /	230 / 240\	/ ± 3%		
(Frequency Switch Selectable)	50 / 60Hz Pure Sine Wave (THD < 3%)							
	Output Waveform								
E	fficiency (full load)	88%	91%	92%	90%	93%	94%		
No	Load Current Draw	2.6A	1.50A	0.70A	2.3A	1.1A	0.65A		
Sta	and-By Current Draw	0.60A	0.30A	0.2A	0.60A	0.3A	0.15A		
lnnı	ut Voltage Regulation	10.5-15	21.0-30	42.0-60	10.5-15	21.0-30	42.0-60		
pi	ut voltage negulation	VDC	VDC	VDC	VDC	VDC	VDC		
In	put Level Indicator	-	R	ed / Orange	/ Green LE	D)		
L	oad Level Indicator	go / 4							
	Failure Indicator			Red					
	Protection			iit, Reverse I iput Voltage					
	Circuit Breaker	Over/Under Input Voltage, AC Input Circuit Breaker 30Amp							
R	emote Control Unit	CR6 / CR8 Optional							
Syn	chronous AC transfer	YES							
	Transfer switch	30Amp 25 Amp							
	Transfer Time	Inverter to	utility AC : 8	~ 10msec.;	Utility AC to	inverter :	16 ~ 50 ms		
	Safety		Meet UL458						
	EMI Conduction&Radiation	Comp	liance to FCC C	lass A	Compliance to EN55022 classA				
EMC	EMS Immunity				Compliance to EN61000-3-2,3				
	LVD				Comp	oliance to EN	60950-1		
	e-MARK	Compliance to e-13*72/245/ECC,95/54 EC							
Opera	ing Temperature Range	0 - 40 ~							
Stora	ge Temperature Range	-30 ~ to 70 ~							
、發	行 cooling /		Loa	ding contro	lled cooling	fan			
6.	Dimensions	4:	33(L)*332(W)	*115(H) mm	/ 17(L)*13(W	/)*4.53(H) I	nch		
	Weight	11.2 kg / 24.6 Lbs.							

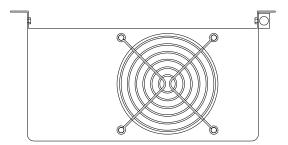


2-4. Electrical Performance

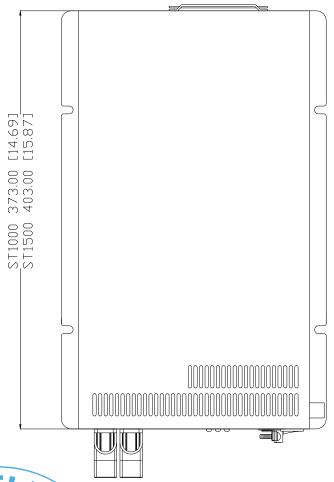
Specification			Mode	l No.				
Item	ST2500-112	ST2500-124	ST2500-148	ST2500-212	ST2500-224	ST250 <mark>0-24</mark> 8		
Continuous Output Power	2500W 正式文件,妥							
Maximum Output Power (3Min.)			287	5W				
Surge Rating			500	0W				
Input Voltage	12V	24V	48V	12V	24V	48V		
Output Voltage	100 /	110 / 120V	± 5%	220 /	230 / 240V	± 3%		
Frequency (Switch Selectable)			50 / (60Hz				
Output Waveform		Р	ure Sine Wa	ve (THD < 3%	%)			
Efficiency (full load)	88%	91%	92%	90%	93%	94%		
No Load Current Draw	2.62A	1.53A	0.72A	2.32A	1.15A	0.68A		
Stand-By Current Draw	0.60A	0.30A	0.2A	0.60A	0.3A	0.15A		
Input Voltage Regulation	10.5-15	21.0-30	42.0-60	10.5-15	21.0-30	42.0-60		
	VDC	VDC	VDC	VDC	VDC	VDC		
Input Level Indicator	Red / Orange / Green LED							
Load Level Indicator								
Failure Indicator	Red LED							
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over Temperature Over/Under Input Voltage, AC Input Circuit Breaker							
Circuit Breaker	30 Amp							
Remote Control Unit	CR6 / CR8 Optional							
Synchronous AC transfer	YES							
Transfer switch	30Amp 25 Amp							
Transfer Time	Inverter to utility AC : 8 ~ 10msec. ; Utility AC to inverter : 16 ~ 50 ms							
Safety		Meet UL458						
EMI Conduction&Radiation	Comp	liance to FCC C	lass A	Compliance to EN55022 classA				
EMS Immunity				Compliance to EN61000-3-2,3				
LAD.				Compliance to EN60950-1				
e-MARK	Compliance to e-13*72/245/ECC,95/54 EC							
Operating Temperature Range	0 - 40 ~							
Storage Temperature Range	-30 ~ to 70 ~							
發行 Cooling	Loading controlled cooling fan							
Dimensions	463(L)*332(W)*115(H) mm / 18.2(L)*13(W)*4.53(H) Inch							
Weight	12 kg / 26.4 Lbs.							

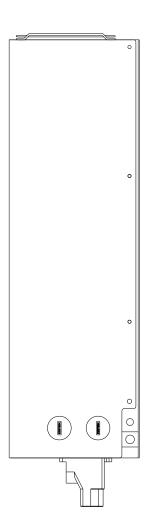


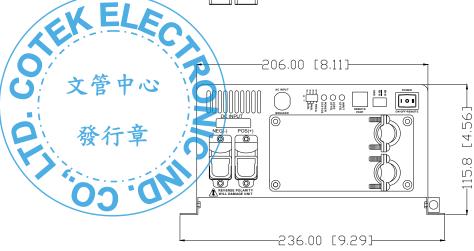
2-5. Mechanical drawings





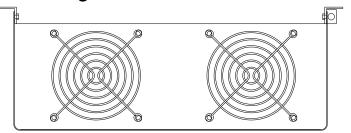




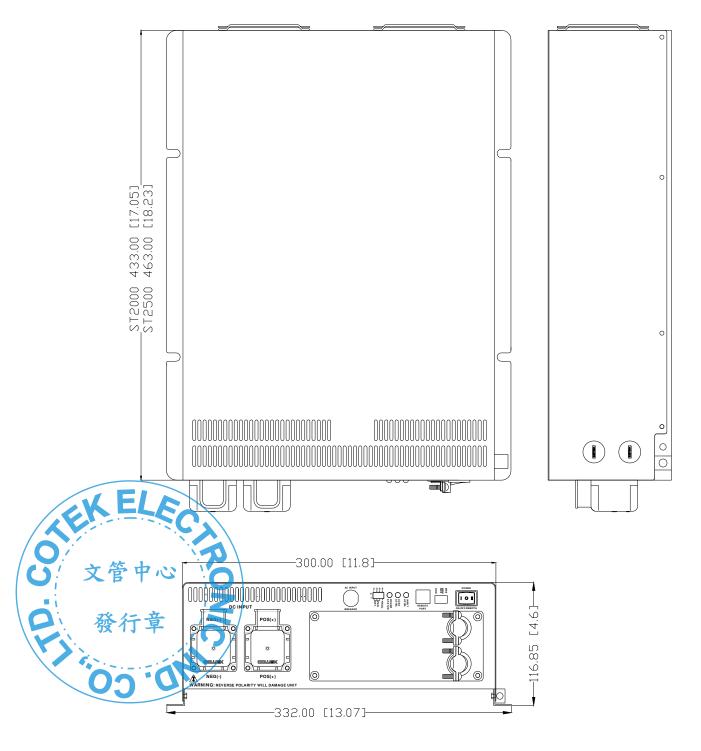




2-5. Mechanical drawings







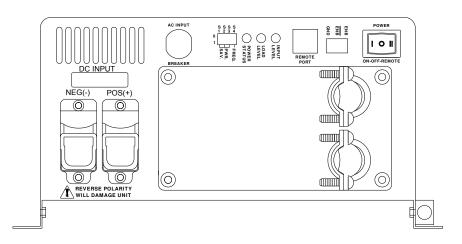


3. Introduction

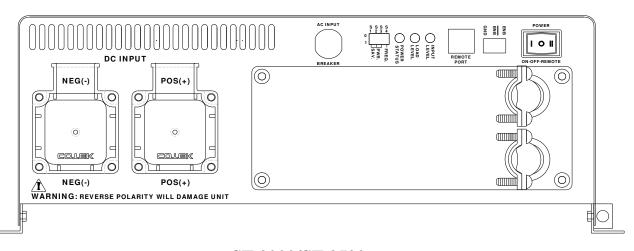
3-1. Front Panel Operation

Front view





ST-1000/ST-1500



ST-2000/ST-2500

- 3-1-1. Power ON / OFF / REMOTE (Main) switch:
 - a. Before installing the inverter, you need to ensure the main switch is in the OFF position.
 - b. Before using the remote unit, you need to ensure the main switch is in the REMOTE position.
- 3-1-2. AC input Circuit Breaker:

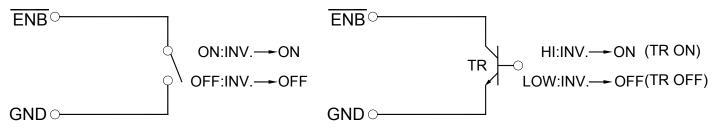
The AC input circuit breaker protects the model from overload. When an overload condition exists, the circuit breaker stops to supply output AC grid power. To reset it, push the circuit breaker switch then the model will be back in normal operation. The source fault should be corrected before you reset it.

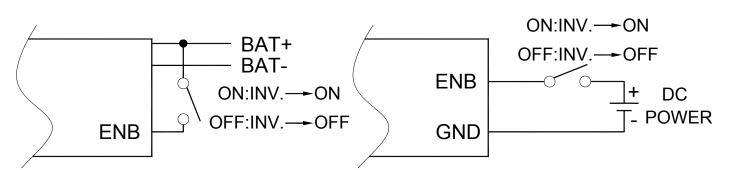


3-1-3 Green terminal

- 1) Before installing the inverter, you need to ensure the main switch must be "OFF".

 正式文件,妥善保存
- 2) Before using the remote control terminal, you need to ensure the main switch muse be "REMOTE".
- 3) Ensure the remote contacts off.
- 4) Use 20 ~ 24 #AWG wire to connect the remote control terminal.
- 5) Remote control ON/OFF inverter setup status:





NOTE: At the same time, only can use one model to control the inverter.

The maximum level is the same as input DC voltage.

3-1-4. Remote Port:

The ST Series Inverter is compatible with any of these remote controllers: CR-6 or CR-8.

3-1-5 Input Level: Display Input Voltages

LED Status	DC 12V	DC 24V	DC 48V
RED Blink (slow)	10.3~10.6	20.5~21.2	40.8~42.4
RED	10.6~11.0	21.2~21.8	42.4~43.5
二音 ORANGE	11.0~12.1	21.8~24.1	43.5~48.1
GREEN	12.1~14.2	24.1~28.6	48.1~56.3
ORANGÉ Blink	14.2~15.0	28.6~30.0	56.3~59.6
OVER RED BLINK	15.01	30.01	59.61

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3-1-6. Load Level: Display AC Loads (Watts)

LED Status	DARK	GREEN	ORANGE	RED E	RLINKING RED
ST1000	0 ~ 80W	80 ~ 330W	330 ~ 750W	750 ~ 960W	Over 960W
ST1500	0 ~ 120W	120 ~ 495W	495 ~ 1125W	1125 ~ 1450W	Over 1450W
ST2000	0 ~ 160W	160 ~ 660W	660 ~ 1500W	1500 ~ 1920W	Over 1920W
ST2500	0 ~ 200W	200 ~ 825W	825 ~ 1875W	1875 ~ 2390W	Over 2390W

3-1-7. Power Status: Display Power & Fault Status

Orange LED	LED Signal	Status
Solid		Power OK
Slow Blink	-	Power Saving
Red LED	LED Signal	Status
Fast Blink		OVP
Slow Blink		UVP
Intermittent Blink		ОТР
Solid		OLP
Green LED	LED Signal	Status
Solid		AC GRID INPUT OK

3-1-8. AC Frequency: Selected by "S4" Dip Switch

Frequency	S4
文策中心 50 HZ	OFF
60 HZ	ON

3-1-9. Power Saving Mode: Power Saving Mode is adjustable and set by the Dip Switches, S1, S2 and S3 on the front panel. Example: The load should be set above15W. If the load is below15W, the power saving mode will be activated.



ST1000 ST1500	ST2000 ST2500	S1	S2	正式文件,妥善保	人 子
DISABLE	DISABLE	OFF	OFF	OFF	
20W	40W	ON	OFF	OFF	
40W	80W	OFF	ON	OFF	
55W	125W	ON	ON	OFF	
75W	170W	OFF	OFF	ON	
95W	210W	ON	OFF	ON	
115W	245W	OFF	ON	ON	
135W	280W	ON	ON	ON	

3-1-10. DC Input Terminals:

Connect DC input terminals to 12V / 24V / 48V battery or other power sources.

[+] represents positive, [-] represents negative. Reverse polarity connection can blow the internal fuse and may damage the inverter permanently.

	DC Input Voltage				
Model	Minimum	Maximum			
12V	10.5V	15.0V			
24V	21.0V	30.0V			
48V	42.0V	60.0V			

21-11 Chassis Ground: Connect the wire # 8 AWG to vehicle chassis.

WARNING!

Operating the inverter without a proper ground connection may cause electrical safety hazard.



3-2. Protections Features

		DC	Input (VI	DC)		Over	Tempera	tur Pro	te K
Model	Over Voltage		Under	Under Voltage		INTE	ERIOR	HEAT	,安吾保在 F SINK
	Shut- down	Restart	Voltage Alarm	Shut- down	Restart	Shut- down	Restart	Shut- down	Restart
12V	15.3	14.3	11.0	10.2	12.7				
24V	30.6	28.6	22.0	20.3	25.2	70 ℃	45 ℃	90℃	60℃
48V	61.2	57.2	44.0	40.8	49.7				

3-3 DC Wiring Connections

Follow the instructions to connect the battery cables to DC input terminals of the Inverter. The cable should be as short as possible (less than 6 feet / 1.8 meters ideally) so that it can handle the required current in accordance with the electrical codes or regulations application. Inappropriate length of cables will deteriorate the inverter performance such as poor surge capability, frequent low-input voltage warnings, and shutdown. UVP warning occurs when DC voltage drops across the cables from the inverter to the batteries. The longer or narrower the cables, the more the voltage drop.

Increasing your DC cable size will help improve the situation.

The following recommended cables are for the best performance of the inverter. (Apply both 120V and 230V versions)

	Model No	Wire AWG	Inline Fuse
	ST1000-112 / 212	# 2	150 A
	ST1000-124 / 224	# 4	80 A
	ST1000-148 / 248	# 6	40 A
	ST1500-112 / 212	# 2	200 A
	ST1500-124 / 224	# 4	100 A
	ST1500-148 / 248	#6	50 A
- /	ST2000-112/212	# 2/0	250 A
	ST2000-124 / 224	# 1/0	125 A
弘	ST2000-148 / 248	# 2	70A
7X	ST2500-112 / 212	# 4/0	400 A
	ST2500-124 / 224	# 2/0	200 A
	ST2500-148 / 248	# 1/0	100 A



3-3-1. Connect the cables to the power input terminals on the front panel of the inverter. The red terminal is positive (+) and black terminal is negative (-). Insert the cables into the terminals and tighten screw to clamp the wires securely.



WARNING!

Make sure all the DC connections are tight (torque to 9-10 ft-lbs, 11.7-13 Nm). Loose connections could result overheat in a potential hazard.

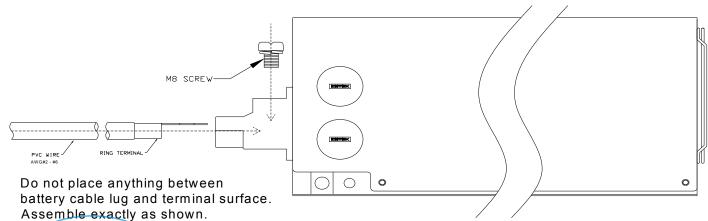
WARNING!



The installation of a fuse must be on positive cable. Failure to place a fuse on "+" cables running between the inverter and battery may cause damage to the inverter and will void warranty.

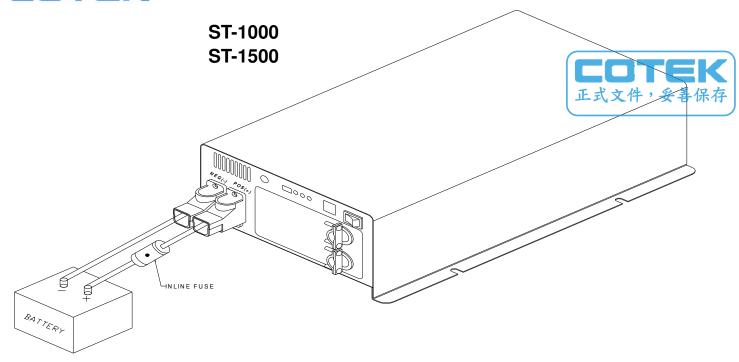
Also, only use high quality copper wire and keep the cable length short which is a maximum of 3 - 6 feet.

Battery to inverter cable connection

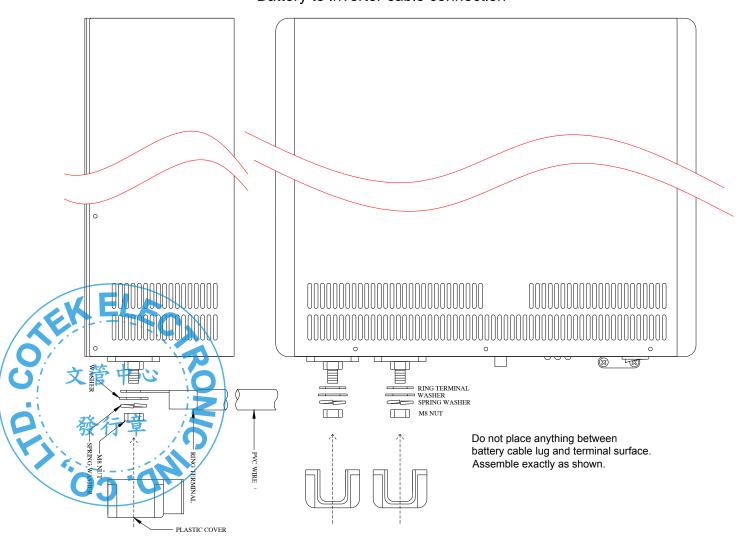




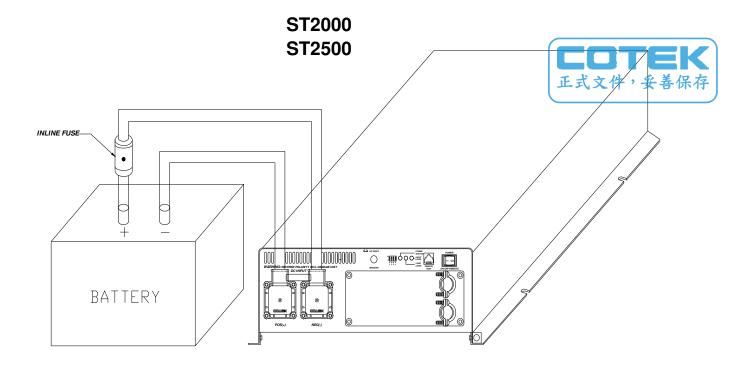
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Battery to inverter cable connection











3-4 Hard-wire Installation AC wiring connections:

3-4-1. The AC wiring compartment is located on the front panel of the ST series. Remove the AC wiring compartment cover to gain * 安善保存 access to the AC terminal.

WARNING!



Before you connect AC wiring to the terminals of compartment cover, ensure to check the label in the compartment for correct connections. Wrong connection will damage the inverter.

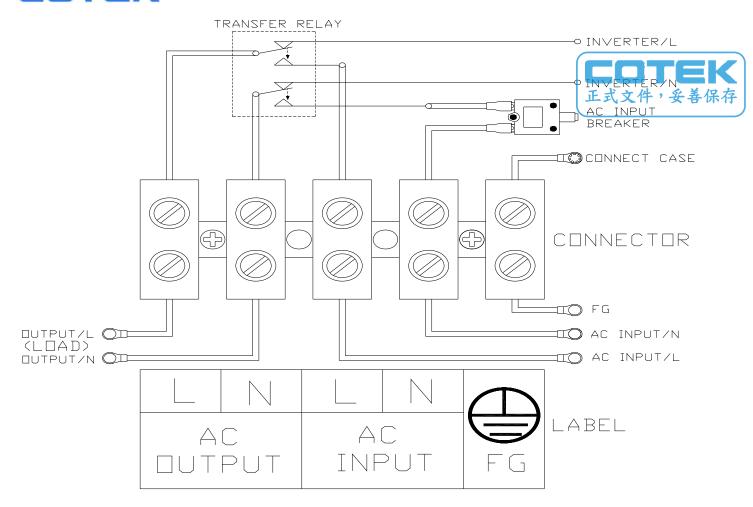
CAUTION!

It is advised that all the electrical installation should conform to the local electrical codes and should be carried out by a certified electrician.

When the unit is feeding the internally inverted voltage (Power Status LED is green, power from the AC input source is not available), the current carrying conductors connected to the "L" and "N" terminals of the AC output will be isolated from the metal chassis of the inverter. Hence, during this condition, when the metal chassis of the inverter is connected to the earth ground, the "N" terminal of the AC output will not be grounded (bonded) to the earth ground. Under this condition, the "N" terminal of the AC output will not be a Neutral in the true sense. Do not touch this terminal as it will be at an elevated voltage(almost half the value the AC output voltage) with respect to the metal chassis / earth ground and may produce an electrical shock when touched!

When the unit is transferring power from the AC input source (Power Source (ED is orange), the grounding condition of the "N" terminal of the AC output will be the same as the condition of the "N" terminal of the AC input source. If the AC input source is the power supplied from the utility, the "N" terminal would be a Neutral in the true sense, will normally be bonded to the earth ground and will read almost 0 V with respect to the earth ground. In this case, touching this terminal will not be a shock hazard.

COTEK



3-4-2. Connect AC output and AC input wiring to the ST series terminals. Please take the following information as your reference.

Terminal		Wire color	Wire length / gauge	
			ST1000&ST1500	ST2000&ST2500
AC	Line (L)	Black		
OUTPUT	Neutral (N)	White	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
AC INPUT	Line (L)	Brown	Within 16 feet / AWG#	Within 16 feet / AWG#
AC INPUT	Neutral (N)	Blue	14~16	10 ~12
Ground		Green / Yellow or Bare	26~32 feet / AWG#	26~32 feet / AWG#
		copper	12~14	8 ~10

the wires are in correct terminals and the connections are tight.

Before connecting AC output and AC input terminals of the ST series, you can either use front compartment cover or a side hole to coil out.

Both AC input and AC output are coiled out from the front compartment cover when in production. If you want to change the position, you should open the top cover first, and then switch the wire of the front compartment cover and the plastic cover of the side of top cover.

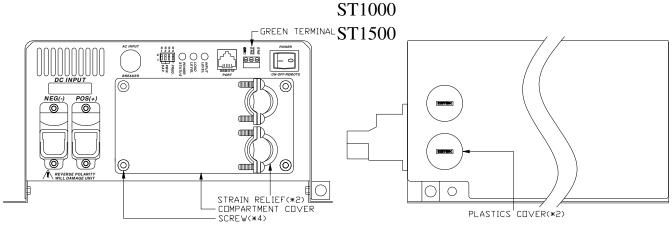
★ 😩 🕂 3. Please double check and review all connections to ensure

COTEK

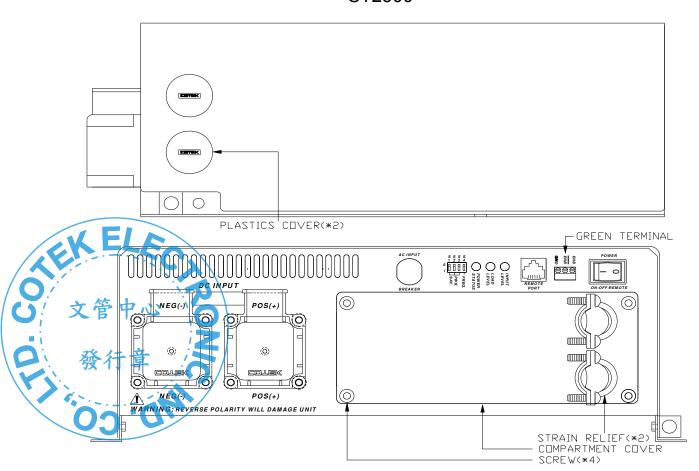
WARNING!



If the connection distribution of the frond panel is not feasible for your appliances, ST series also provides, # ** A another distribution on the side panel, to utilize it please be ensured to remove the plastic covers before installing the strain relief; moreover, replace the empty hole of front panel with removed plastic covers for safety purpose.



ST2000 ST2500

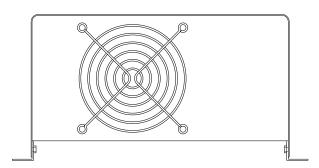




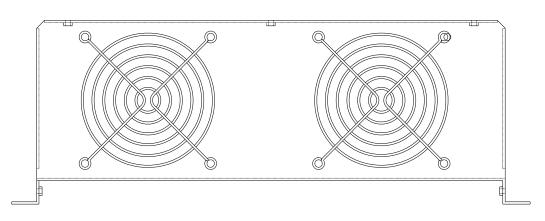
3-5. Rear Panel Operation

Rear view





ST-1000/ST-1500



ST-2000/ST-2500

3-5-1. Fan Ventilation:

Be sure to keep it a distance (at least 1 inch) form surrounding things.

3-6. Installation

The power inverter should be installed in a location that meets the following requirements:

- (3-6-1. Dry Do not allow water to drip or splash on the inverter.
- 3-6-2. Cool Ambient air temperature should be between 0°C and 40°C, the cooler the better.

 - 3-6-4. Ventilated Allow at least one inch of clearance around the inverter for air flow. Ensure the ventilation shafts on the rear and bottom of the unit are not obstructed.



- 3-6-5. Dust-free Do not install the Inverter in a dusty environments where dust, wood particles or other filings/shavings are present. The dust can be pulled into the unit when the cooling fan is operation.
- 3-6-6. Close to batteries Avoid excessive cable lengths but do not install the inverter in the same compartment as batteries. Use the recommended wire lengths and sizes (see section 4-3). Do not mount the inverter at the place where it is exposed to the gases produced by the battery. These gases are very corrosive and prolonged exposure will damage the inverter.

WARNING!



Shock Hazard. Before proceeding further, carefully check that the inverter is NOT connected to any batteries, and that all wiring is disconnected from any electrical sources. Do not connect the output terminals of the inverter to an incoming AC source.

3-7. Inverter Operation

Switch the power ON, then the power inverter is ready to supply AC power to the loads. Turn on the loads separately after the inverter is ON to prevent OVP status caused by the surge power.

- 3-7-1. Switch the power ON, then the buzzer will send out beep sound. At the moment, the inverter is doing self-diagnosis. Then the LED's indicators will also show various colors.
 - Finally, the buzzer will send out another beep, and the Input Level and Status LED indicators will turn green. Then the inverter will start to work.
- 3-7-2. Switch the power OFF, then the inverter stops and all the lights that are On will go Off.
 - Switch the power inverter and the test load ON, then the inverter will supply the power to the load. If you want to measure true RMS voltage output of the inverter, a meter such as FLUKE 45 BECKMAN 4410 or TRIPLETT 4200 must be used.



4. Information

4-1. Troubleshooting





WARNING

Do not open or disassemble the ST series Inverter. Attempting to service the unit may cause the risk of electrical shock or fire.

Problems and Symptoms	Possible Cause	Solutions			
No AC Power "Output" STATUS illuminates the LED					
a. Power status light is blinking fast.	Over input voltage. (OVP)	Check input voltage Reduce input voltage.			
b. Power status light is Blinking slowly.	Low input voltage. (UVP)	Recharge battery. Check connections and cables.			
c. Power status light is blinking Intermittently.	Thermal shutdown. (OTP)	Improve ventilation. Make sure ventilation, shafts of the inverter are not obstructed. Lower ambient temperature.			
d. Power status light is glowed steadily.	Short circuit. Wiring error. Over Loading (OLP)	Check AC wiring for short circuit. Reduce load.			

4-2. Maintenance

Very little maintenance is required to keep your inverter operating properly.
You should clean the exterior of the unit periodically with a damp cloth to prevent accumulation of dust and dirt. At the same time, tighten the screws on the DC input terminals.



4-3. Warranty

We guarantee this product against defects in materials and workmanship for a period of 24 months from the date of purchase and will repair or replace any defective power inverters if you directly returned them to us with postage paid.

Please note that we are only responsible for ensuring our products are operational before delivering. This warranty will be considered void if the unit has been misused, altered, or accidentally damaged. Cotek is not liable for anything that occurs as a result of the user's fault.



5. Appendices



This product, which has been issued the test report listed as above in QuieTek

Model Number : ST1000-112, ST1000-124, ST1000-148

Issued Date: Dec. 28, 2004 Report No.: 051H003F

This is to certify that the following designated product

: POWER INVERTER

: COTEK

Trade name

Company Name: COTEK ELECTRONIC IND. CO., LTD.

Laboratory, is based on a single evaluation of one sample and confirmed to

comply with the requirements of the following EMC standard.

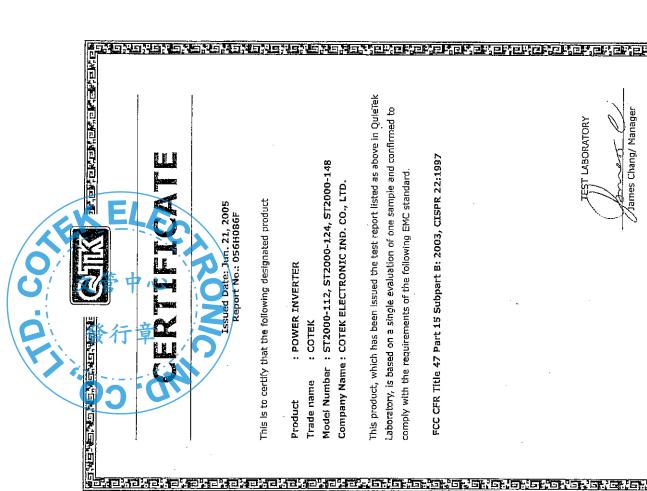
FCC CFR Title 47 Part 15 Subpart B: 2003, CISPR 22:1997

AUIOTOK TELL+866-3-592-8958 FAX:+886-3-592-8859 Email:service@quietek.com http://www.quietek.com

James Chang/ Manager

TEST LABORATORY





Report No.: 056H086F

ssued Date: Juf. 21, 2005

This is to certify that the following designated product

: POWER INVERTER

: COTEK Trade name Product

Model Number : ST2000-112, ST2000-124, ST2000-148

Company Name: COTEK ELECTRONIC IND. CO., LTD.

This product, which has been issued the test report listed as above in QuieTek Laboratory, is based on a single evaluation of one sample and confirmed to comply with the requirements of the following EMC standard.

FCC CFR Title 47 Part 15 Subpart B: 2003, CISPR 22:1997

Jаmes Chang/ Manager EST LABORATORY

QUICER No.75-2, 3 Lin, Wang-Yah Valley, Yung-Haing Tsuen, Chlung-Lin Shlang, Hsin-Chu 307 Taiwan, R.D.C. TEL:+886-3-592-8855 FAX:+886-3-592-8859 Email:service@quietek.com http://www.quietek.com



州自治司法司加口第四共司法司法

Issued Date: Jun. 21, 2005 Report No.: 056H088F

This is to certify that the following designated product

: POWER INVERTER Product

: COTEK Trade name Model Number : ST2500-112, ST2500-124, ST2500-148

Company Name: COTEK ELECTRONIC IND. CO., LTD.

This product, which has been issued the test report listed as above in QuieTek Laboratory, is based on a single evaluation of one sample and confirmed to comply with the requirements of the following EMC standard.

FCC CFR Title 47 Part 15 Subpart B: 2003, CISPR 22:1997

EŞT LABORATORY

James Chang/ Manager

QuieTeK TEL:+886-3-592-8858 FAX:+886-3-592-8859 Email:service@quietek.com http://www.quiet



MINISTEREDES TRANSPORTS.

Lugembourg, le 10 octobre 2005 19-21, Boulevard Royal 12-28 to Lugembourg 181. 378 1 – Télécopieur 241 817 – Télex 1465 CIVAIR LU

REFERENCE: e13*72/245*95/54*2967*00

中

OTEK

M, M2, M3, N, N2, N3, O1, O2, O3, O4.

e13*72/245*95/54*2967*00

Cotek Electronic Industrial Co., Ltd. No. 33, Rong Hsin Rd., Pa Teh City, Tao Yuan County, Taiwan, R.O.C.

Nom et adresse du constructeur: Name and address of manufacturer:

0.5

0.7.

Catégorie de véhicule; ⁽³⁾

0.4

ANNEXES: Documentation technique



Certificat de réception CE par type EC Type-Approyal Certificate

Communication concernant: (1) Communication concerning the:

- la réception par type

- le refus-de la réception par type

rcfusel of type-approvel

- le retrait-de la réception par type

windsewal of eye-approval d'un type-de-véhieule / composant / entité technique ⁽¹⁾ en ce qui concerne la directive 72/245/CEB conformément au

Numéro de réception par type: Type-approval number:

e13*72/245*95/54*2967*00

Raison(s) de l'extension:

Fabricant (marque commerciale du 0.1 Type: Type: 0.7.

Pure sine wave inverter Description(s) commerciale(s) générale(s):

Version(s)/Variante(s): Version(s)/Variant(s):

Means of identification of type, if marked on the vehiele / marqués sur le véhicule / composant / entité technique: (1, 2)

ST1000-2??

Emplacement de ce marquage: Location of that marking: 0.3.1.

type-approval - Pextension-de la réception par type

Heng Ling Industrial Park, Ming Zhi Village, Long Hua Town, Pao An Arca,

Shenzhen, Guang Dong, P.R. CHINA

Cotek (Shenzhen) Electronic Co.

Adresse(s) de l'(des)usine(s) d'assemblage:

9.8

Address(es) of assembly plant(s):

In the case of components and separate technical units, location and method of affixing of the EEC approval techniques, emplacement et procédé de fixation de la marque de réception CEE: Dans le cas de composants et d'entités

Label fixed on the bottom of the inverter

dernier amendement par la directive 95/54/CE.
of a type of webiele / component / separate technical unit with regard to Directive 72/24/SEEC, as last amended by Directive 95/54/EC.

Reason(s) for extension:

Not applicable

Section I Section 1

Make (trade name of manufacturer): constructeur);

COTEK

ST1000

STI000-212, STI000-224, STI000-248 General commercial description(s):

Moyens d'identification du type, s'ils sont 0.3

eompouent / separate technical unit:

On the bottom of the inverter



Rayer la mendon inutile

below where not applicable

2 is been upoperated the caracteres on pretinents pour décrire les types de véhicule, de composition

on d'entilé technique visés par la présente fiche de réception, ces caractères sont remplacés par le symbole "1" dans la documèntation

on d'entilé technique visés par la présente fiche de réception, ces caractères sont remplacés par le symbole "1" dans la documèntation

fine recemple. A MC 2712372.

The means of fetuilifeation of type constant cabasat to describe the veltiele, component or separate technical unit types convere la principal de la directive 70156/CEE.

As defined in Ausex II. As Directive 70156/CEE.



Luxembourg, le 13 octobre 2005 19-21, Boulevard Royal L-2910 Luxembourg Tell 478-1 – Télécopieur 241 817 – Télex 1465 CIVAIR LU



Informations supplémentaires (s'Il 3 a lieu) Additional informations (where applicable):

Autorité déléguée :

Société Nationale de Certification et d'Homologation L-5230 Sandweiler

l'exécution des essais: Technical rervice responsible for carrying out the tests: Service technique responsable de

TUV Rheinland Luxemburg GmbH Centre Commercial "Le 2000" Z.I. L-3378 Livange

04.10.2005

Date du rapport d'essai: Date of testreport

84-72/245-00201/05

Remarques (s'il y a lieu): Remarks (if any):

Naméro du rapport d'essai: Number of test report

Not applicable Luxembourg

ė,

10 octobre 2005

Signature: Signature:

Pour le Ministre des Transports

and SCHMIT

Commissaire du Gouvernement

L'index de l'ensemble des renseignements déposé chez l'autorité de réception, qui peut être obtenu sur The index to the information package fodged with the approval aminority, which may be obtained on request, is attached. demande, est joint.

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See index to type-approval report

GRAND-DUCHE DE LUXEMBOURG

MINISTERE DES TRANSPORTS

REFERENCE: e13*72/245*95/54*3176*00

ANNEXES: Documentation technique



Certificat de réception CE par type EC Type-Approval Certificate



- la réception par type Communication concernant: (1)

type-upproval - Pextension de la réception par type extension of type-approval - le pefus-de la péception-par-type relisal-of-type-approval - le petipalt de la péception par-type

withinswatectype approval or composant / entité-technique (1) en ce qui concerne la directive 72/245/CEE conformément au dernier amendennent par la directive 95/54/CB.
of a type of vehiele / companyat / separate-technical-unit with regard to Directive 97/2/45/EEC, as lust amended by Directive 93/54/EC.

e13*72/245*95/54*3176*00 Numèro de réception par type: Type-approval number.

Not applicable

Raison(s) de l'extension: Reason(s) for extension:

Section I Section I

COTEK Fabricant (marque commerciale du Make (trade name of manufacturer): constructeur):

0.1,

ST1500-248

DC-AC Pure sine wave inverter Description(s) commerciale(s) générale(s): General commercial description(s):

Type: Type:

0.7

Version(s)/Variante(s): Version(s)/Variant(s):

STI 500-212, STI 500-224

正式文件



e13*72/245*95/54*3176*00

3*72/245*95/54*3176*00



ntification is done by type name

tcker on top side of the inverter

alion of type, if marked on the vehiele

Moyens d'identification de type, s'ils sont

.; :

marques sur lewéhieule? composant! entitétechnique: (1, 2)

Emplacement de ce mar que Location of that marking Catégorie de véhicule: [3] Category of vehicle:

0.3.1.

6.4 0.3

Not applicable

Nom et adresse du constructeur: Nome and address of monufacturer:

Cotek (Shenzhen) Electronic Co., Ltd. Longshen 22, Enter Prise Road, Longshua, Baoun, Shenzhen, P.R. CHINA

Sociètè Nationale de Certification et d'Homologation L-5230 Sandweller

See appendix

Informations supplémentaires (s'il y a lieu): Additional informations (where applicable):

, :

Antorité déléguée :

des essais:

Section II Section II

fixation de la marque de réception CEE: In the case of components and separate technical units, location and method of affixing of the EEC approval mark: techniques, emplacement et procédé de Dans le cas de composants et d'entités

0.7.

Sticker affixed clearly legible and indelible on back side of the inverter

Cotek (Shenzhen) Electronic Co., Ltd. Longshen 22, Enter Prise Road, Longshua, Baoan, Shenzhen, Adresse(s) de l'(des)usine(s) d'assemblage: Address(es) of assembly plan(s):

0.8

P.R. CHINA

Société Nationale de Certification et d'Homologation 11, route de Luxembourg L-5230 Sandweiler 13 octobre 2005 Not applicable Luxembourg 19.09.2005 250414 Service technique responsable de l'exécution Technical service responsible for carrying out the tests: Numéro du rapport d'essai: Number of test report: Remarques (s'il y a lieu): Remarks (if any): Date du rapport d'essai: Date of test report:

4;

Signature:

Date: Date:

Lieu: Place:



Pour le Ministre des Transports

Commissaire du Gouvernement Paul SCHMIT

L'index de l'ensemble des renseignements déposé chez l'autorité de réception, qui peut être obtenu sur tached demande, est joint. The index to the information package lodged with the approval authority, which may be oblained on request, is

o,

See index to type-approval report

Delte where to applicable are on particular due caracteres non partinents pour decrire les typus de véhicule, de composant on d'entité technique visés par la présente fiche de réception, ces curactères sont remplacés par la symbole "?" dans la documentation of d'entité technique visés par la présente fiche de réception, ces curactères sont remplacés par la symbol "?" dans la documentation fun central par de l'anniterate non relevant to dessaine the valiett, component or separate technical unit types covered by this certificate. Sont hackards als the technique by the symbol "7" (E. ABC771337).

Son la la faithitions de l'annexe II A de la directive 70/18/FEC.

As defined in Annex II A to Directive 70/18/FEC.

Rayer la mention inutile

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Communication concernant: (4) Communication concerning the:

- la réception par igpe typ-apmonal - l'extension-de la réception par égpe extense népa-epponel - le retins de la réception por type - le retins de la réception por type

- le-referait de la che-despitore par 4ype
- le-referait de la redespitore par 4ype
- whiteweshe-type symmen
d'un type de véticule / composant / entifé technique ⁽¹⁾ en ce qui concerne la directive 72/2/45/CEE conformément au
dernier amondement par la directive 95/54/CE.

of a type of vehicle / component/ espaces-technical-mit with regard to Directive 72/2/4/EEC, as last amonded by Directive 95/54/EC.

Numéro de réception par type: Type-sproval number:

e13*72/245*95/54*3177*00

Raison(s) de l'extension: Reason(s) for extension:

Not applicable

Section I Section I

Fahricant (marque commerciale du constructeur): Mate (mde nane of manufasture): 17

0.2,

ST2000-224 COTEK

DC-AC Pure sine wave inverter Description(s) commerciale(s) générale(s): General commercial description(s):

Version(s)/Variante(s): Version(s)/Varian(s):

ST2000-212, ST2000-248

c13*72/245*95/54*3177*00

Identification is done by type name margues sur le véhisule / composant / entité écelanique: 0.3 Means of identification of type, if marked on the vehicle / component / separate-terhitisch-mit Moyens d'identification du type, s'ils sont

Sticker on top side of the inverter

Emplacement de ce marquage: Location of that marking:

03.1.

0.3

Catégorie de vélicule: ^[3] Category of vehicle:

0.4. 5.

Not applicable

Cotek (Shenzhen) Electronic Co., Ltd. Longshen 22, Enter Prise Road, Longshua, Baoan, Sheazhen, P.R. CHINA

Nom et adresse du constructeur: Name and address of manufacturer:

Dans le cas de composants et d'entités techniques, emplacement et procédé de tatadon de la marque de tréception (CEE; la fice est of emposants and expants téchnia units, location, and medinol of affixing of the EEC approved mark-

0.7.

Sticker affixed clearly legible and indelible on back side of the inverter Cortek (Shenzhen) Electronic Co., Ltd.
Longshen 22, Euter Prise Road,
Longshua, Baoan, Shenzhen,
P.R. CHINA

Adresse(s) de l'(des)usine(s) d'assemblage: Address(s) of assembly plant(s):

0.8.

Types-it uncolor lendth

Types-it uncolor lend





Informations supplémentaires (6' Additional informations (Where applicable):

H ત્યં

Autorité délègués : Assigned ouhority :

Service technique responsable de l'exécution des essais: Technical service responsible for corrying out the tesis:

Société Nationalc de Cartification et d'Homologation 11, noute de Luxembourg L-5230 Sandweiler

Sociètè Nationale de Certification et d'Homologation L-5230 Sandweiler

Date du rapport d'essai: Date of test report

w,

19,09,2005 250413

Numèro du rapport d'essai: Number of test report:

Not applicable

Remarques (s'il y a lieu): Remarks (if any): Lieu:

Date:

13 octobre 2005

Luxembourg

Signature: Signature:

Pour le Ministre des Transports

Paul SCHMIT

Commissaire du Gouvernement

L'index de l'ensemble des renseignements déposé chez l'autorité de réception, qui peut être obtenn sur demande, est joint. The index to the information package lodged with the approval authority, which may be obsained on request, is attached.

۵,

See index to type-approval report



GRAND-DUCHE DE LUCEMBOURG

MINISTERE DES TRANSPORTS

REHERBINCE: e13*72/245*95/54*3178*00

ANNEXES: Documentation technique

Luxcorbourg, to 13 octobre 2005 19-21, Bouleward Royal 1-2910 Luxcorbourg 19, 478-1 - Teleospleur 241 817 — Tulee 1465 GIVAIR LD -

Certificat de réception CE par type EC Type-Approval Certificate



Communication concernant: (1) Communication concerning the:

- la récegiton par type type-approval - Pextension de la réception par type

witi-dewal of type age well-kieule / composant / enilité (eclinique ⁽⁾ an ce qui concerne la directive 72/245/CES conformément au dernier senondement par la directive 95/54/CE.

of a type of wakind / component / espesia-kelvine and in right lo Directive 95/54/CE.

c13*72/245*95/54*3178*00 Numéro de réception par type: Type-approval number:

Raison(s) de l'extension: Resson(s) for extension:

Not applicable

Section I

Fabricant (marque commerciale du constructeur): Make (vrde name of muntiechren):

0.1.

0.7

ST2500-212 COTER

Description(s) commerciale(s) générale(s): General commercial description(s):

Version(s)/Variante(s): Version(s)/Variant(s):

ST2500-224, ST2500-248

DC-AC Pure sine wave inverter

正式文



e13*72/245*95/54*3178*00



ntification is done by type name

Sticker on top side of the inverter

Not applicable

Colek (Shenzhen) Electronic Co., Lid. Longshon 22, Enter Prise Road, Longshus, Baosn, Shenzhen, P.R. CHINA

Nom et adresse du constructeur: Name and address of manufecurer:

Catégoric de véhicul Category of vehicle:

0.4 0,5

0.3.1.

0.3

Sticker affixed clearly legible and indelible on back side of the inverter

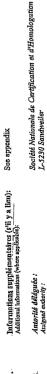
Dans le cus de composants et d'entités techniques, emplacement et procédé de l'étrein de la marque de d'échelien (CBE. In itse ess of component und againe achiani unit, location and method of efficing of the EBC approval maxi-

6.7

Cotek (Shenzben) Electronic Co., Ltd. Longsiuen 22, Enter Prise Road, Longshua, Baoan, Shenzhen, P.R. CHINA

Adresse(s) de l'(des)usine(s) d'assemblage: Address(s) diassembly pian(s):

8.0



Scoisiée Nationale de Certification et d'Homologation 11, route de Laxembourg L-5230 Sandweiler Service techbique responsable de l'exécution Antorité déléguée : Assigned authority :

14.09.2005 des essais: Technical service responsible for carrying out the tests:

Numéro du rapport d'essai: Number of test report Date du rapport d'essai: Dste of lest report

Remarques (s'il y a lieu): Remarks (if any):

vá ó

Not applicable

250412

Luxembourg

Date: Date:

13 octobre 2005

Signature: Signature:



L'index de l'ensemble des renseignements déposé chez l'antorité de réception, qui peut être obtenu sur demande, est joint. The index to the information package loiged with the approval authority, which may be obtained on request, is attac

See index to type-approval report



Valore is mention insults
Deten where strong principle are supported for composant
Still removes differentification dutype comportent dos caractères non partitionate pour décrite les types de véhicule, de composant
Still removas differentification du processor de conference de destité des parties de la documentation
out d'entité destinque vivie par le présente fiels de técnegion, ess exerciters sont remojacés par le symbols ""," dans la documentation
(sur exemple AAD-CT-1237).
If the manes déstinfier du type condites demonstrates aux révents destination de la processor de la conference de la co





This is to certify that the following designated product

: POWER INVERTER Product

: COTEK Trade name Model Number : ST1000-212, ST1000-224, ST1000-248

Company Name: COTEK ELECTRONIC IND, CO., LTD.

This product, which has been issued the test report listed as above in QuieTek Laboratory, is based on a single evaluation of one sample and confirmed to comply with the requirements of the following EMC standard.

EN 55024: 1998+A1: 2001 EN 55022; 1998+A1: 2000 EN 61000-3-2; 2000

IEC 61000-4-2: 1995+A1: 1998+A2: 2000 IEC 61000-4-3; 1995+A1; 1998+A2; 2000 IEC 61000-4-4: 1995+A1: 2000+A2: 2001 EN 61000-3-3; 1995 + A1; 2001

IEC 61000-4-5; 1995+A1; 2000

IEC 61000-4-6; 1996+A1: 2000

IEC 61000-4-11: 1994+A1: 2000 IEC 61000-4-8: 1993+A1: 2000

EST LABORATORY

Sames Chang/ Manager

QUIETEL: +886-3-592-8858 FAX: +886-3-592-8659 Email:service@quietek.com http://www.quietek.com

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Issued Date: Dec. 30, 2004 Report No.: 051H002E

This is to certify that the following designated product

: POWER INVERTER Product

: COTEK **Frade name**

Model Number : ST1500-212, ST1500-224, ST1500-248

Company Name: COTEK ELECTRONIC IND, CO., LTD.

This product, which has been issued the test report listed as above in QuieTek Laboratory, is based on a single evaluation of one sample and confirmed to comply with the requirements of the following EMC standard.

EN 55024: 1998+A1: 2001 EN 55022: 1998+A1: 2000

IEC 61000-4-2; 1995+A1: 1998+A2: 2000 EN 61000-3-2: 2000

IEC 61000-4-3: 1995+A1: 1998+A2: 2000 IEC 61000-4-4: 1995+A1: 2000+A2: 2001 EN 61000-3-3: 1995 + A1: 2001

IEC 61000-4-5; 1995+A1: 2000 IEC 61000-4-6; 1996+A1; 2000

IEC 61000-4-8: 1993+A1: 2000

IEC 61000-4-11: 1994+A1: 2000

EST LABORATORY

James Chang/ Manager

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QUIETEK No.75-2, 3 Un. Wang-Yen Valley, Yung-Haing Tsuen, Chlung-Lin Shlang, Hsth-Chu 307 Tawen, R.O.C. CLIEL:+886-3-592-8858 FAX:+886-3-592-8859 Email:service@quietek.com http://www.runftek.com







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This product, which has been issued the test report listed as above in QuieTek Laboratory, is based on a single evaluation of one sample and confirmed to

This is to certify that the following the rough of the requirements of the rough of the requirements of the rough of the r

comply with the requirements of the following EMC standard.

Model Number : ST2000-212, ST2000-224, ST2000-248

: POWER INVERTER

This is to certify that the following designated product

Company Name: COTEK ELECTRONIC IND. CO., LTD.

QUIFOTEX 72, 3 Lh, Wang-Yeh Vafley, Yung-Haing Tsuen, Chiung-Lin Shiang, Hsin-Chu 307 Talwan, R.O.C. ALISHER TEL:+086-3-592-8658 FAX:+586-3-592-8659 Email:service@quietek.com http://www.quietek.com

James Chang/ Manager

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IEC 61000-4-2: 1995+A1: 1998+A2: 2000

IEC 61000-4-3: 2002+A1: 2002

EN 61000-3-3; 1995 + A1; 2001

IEC 61000-4-5: 1995+A1: 2000 IEC 61000-4-6: 1996+A1: 2000 IEC 61000-4-8: 1993+A1: 2000

IEC 61000-4-4: 2004

[EC:61000-4-11: 1994+A1: 2000

EN 55022: 1996+A1: 2000+A2: 2003 EN 55024: 1998+A1: 2001+A2: 2003





Asia Safety Link Inc.

, San Chung City, Taipei Hsien, Taiwan Fax:+886-2-29959169

Low Voltage Directive 73/23/EEC and the Amendment Directive 93/68/EEC

ficate of Compliance

No. 33, Rong Hsin Rd., Pa The city, Taoyuan Country, Taiwan

Manufacturer: Cotek Electronic Ind. Co., Ltd.

Certificate Number: 94-1002



9F-1, No. 80, Sec. 2, Guang Fu Rd., San Chung City, Taipei Hsien, Taiwan Tel:+886-2-85123188 Fax:+886-2-2959169 Asia Safety Link Inc.

Certificate of Compliance

Low Voltage Directive 73/23/EEC and the Amendment Directive 93/68/EEC

Certificate Number: 94-1003

Manufacturer: Cotek Electronic Ind. Co., Ltd.

No. 33, Rong Hsin Rd., Pa The city, Taoyuan Country, Taiwan

Product: Power Inverter

Model/Type: ST1500-212, ST1500-224, ST1500-248

Electrical Rating: ip: (1) 10.5-15Vdc, 165A (ST1500-212) (2) 21-30Vdc, 82A (ST1500-224) (3) 42-60Vdc, 40A (ST1500-248)

op: 220/230/240Vac, 50/60Hz, 1500W

Other Specification:

Standards applied: IEC 60950-1: 2001; EN 60950-1: 2001

The tested samples of the above products are in conformity with the technical provisions of the Following European Directive -

The tested samples of the above products are in conformity with the technical provisions of the

Following European Directive -

Standards applied: IEC 60950-1: 2001; EN 60950-1: 2001

Other Specification:

- Low Voltage Directive 73/23/EEC and the Amendment Directive 93/68/EEC-

- Low Voltage Directive 73/23/EEC and the Amendment Directive 93/68/EEC-Date Issued: February 27, 2006

Approve & Authorized Signer:

Jeff Chang



正式文件

Jeff Chang

Approve & Authorized Signer:

Date Issued: January 12, 2006

妥善保存

37

Electrical Rating: ip: (1) 10.5-15Vdc, 110A (SK1000-212)

Model/Type: ST1000-212, ST1000-224, ST1000-248

Product: Power Inverter

pp: 220/230/240Vac, 50/60Hz, 1000W

(3) 42-60Vdc, 26A (SK1000-248) (2) 21-30Vdc, 54A (SK1000-224)





Asia Safety Link Inc.



Asia Safety Link Inc. 9F-1, No. 80, Sec. 2, Guang Fu Rd., San Chung City, Taipei Hslen, Taiwan Tel:+886-2-85123188 Fax:+886-2-29959169

Certificate of Compliance ficate of Compliance Fl. No. 80, Sec. 2, Guang Fu Rd., San Chung City, Taipei Hsien, Taiwan Tel:+886-2-85123188 Fax:+886-2-29959169

low Voltage Directive 2006/95/EC

Certificate Number: 95-0830

Manufacturer: Cotek Electronic Ind. Co., Ltd.

No. 33, Rong Hsin Rd., Pa The city, Taoyuan Country, Taiwan

No. 33, Rong Hsin Rd., Pa The city, Taoyuan Country, Taiwan

Manufacturer: Cotek Electronic Ind. Co., Ltd.

Certificate Number: 95-0829

Low Voltage Directive 2006/95/EC

Product: Power Inverter

Model/Type: ST2500-x, x=212, 224 or 248

DC 10.5-15V, 262A / 21-30V, 126A / 42-60V, 63A op: AC 220/230/240V, 50/60Hz, 2500W Electrical Rating: ip: AC 220/230/240, 50/60Hz, 30A or

DC 10.5-15V, 230A / 21-30V, 108A / 42-60V, 52A

Electrical Rating: ip: AC 220/230/240, 50/60Hz, 30A or

Model/Type: ST2000-x, x=212, 224 or 248

Product: Power Inverter

op: AC 220/230/240V, 50/60Hz, 2000W

Other Specification:

Standards applied: IEC 60950-1: 2001; EN 60950-1: 2001

The tested samples of the above products are in conformity with the technical provisions of the Following European Directive -

The tested samples of the above products are in conformity with the technical provisions of the

Following European Directive -

Low Voltage Directive 2006/95/EC

Standards applied: IEC 60950-1: 2001; EN 60950-1: 2001

Other Specification:

Low Voltage Directive 2006/95/EC

Approve & Authorized Signer:

Jeff Chang

Approve & Authorized Signer:

Date Issued: May 22, 2007

正式文

Date Issued: May 23, 2007

Jeff Chang



COTEK

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E-mail: sales@cotek.com.tw http://www.cotek.com.tw

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不須ECR\ECN更新圖檔明細表

李中判罪	品名規格		備註
	MYLAR 329x21.5x0.25 PP	A4	庫存自然汰換
	USZR MENE ST SERIES COTE		無事存
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更新日期:2011/01/27

*上述資料不需附ECE\ECN

確認: 建春成刻