

## 750W High Reliable True Sine Wave DC-AC Power Inverter

# NTS-750 series

DC input side





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Power tools

Vehicle

Yacht

Applications

Portable equipment

· Home and office appliance

Off-grid solar power system

Telecom or datacom system

FCCCK

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UL458 UL458 LILL CONTROL UL458 UL458 TPTC004 AS/NZS 62368.1 Please refer to page3 for more details.

## Features

- · Compact size and light weight
- True sine wave output (THD<3%)
- High surge power up to 1500W
- Temperature controlled cooling fan
- · AC output voltage and frequency selectable by DIP S.W
- No load disspation <1.5W at standby saving mode
- -25°C ~+70°C wide operating temperature
- Power ON-OFF remote control
- · Front panel indicator for operation status
- Protections :

Input : Reverse polarity / DC low alarm / DC low shutdown / Over voltage Output : Short circuit / Overload / Over temp.

- Battery over discharge protection(Low voltage disconnect)
- Suitable for lead-acid or li-ion batteries
- Remote controller

(IRC1, IRC2, IRC3 accessory sold separately, please refer to: <u>https://www.meanwell.com/webapp/product/search.aspx?prod=IRC1</u>)

- Support RS-232 communication(Communication cable order No.: RJ11-RS232, sold sperately)
- Carry handle accessory available(Order NO.: Carry handle, sold separately)
- Conformal coating
- 3 years warranty

# Description

NTS-750 is a 750W highly reliable off-grid true sine wave DC-AC power inverter. Its key features include: digital design with MCU control, streamlined control circuitry that quickly responds to environmental changes and improves reliability, high quality fan with low acoustic noise, 1500W peak power, adjustable AC output voltage and frequency,  $-25 + 70^{\circ}$ C wide operating temperature range, complete protection features, and etc. combined with batteries, the NTS-750 is suitable for use in residential, commercial, marine, automobile, mine, construction site, and remote areas with no access to utility power, and the output can be used to power fans, TV, radio, phone charger, PC/laptop, lighting, electromechanical tool, communication equipment, power distribution cabinet, outdoor camping equipment, marine AC power, factory equipment, and etc.

# Model Encoding

# NTS - 750 - 1 12 US AC output socket (Type US, EU, CN, AU, UK, UN, GFCI outlet) DC input voltage (12: 12Vdc, 24: 24Vdc, 48: 48Vdc) AC output voltage (1: 100/110/115/120Vac, 2:200/220/230/240Vac) Rated wattage Series name

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Wireless network



MW Search: https://www.meanwell.com/serviceGTIN.aspx



## SPECIFICATION

	MODEL NO.		NTS-750-112	NTS-750-124	NTS-750-148	NTS-750-212	NTS-750	)-224	NTS-750-248								
				🗆 = US, GFCI, UN	1		= EU, CN, AU,	UK, UN									
AC OUTPUT		RATED POWER(Continuous)															
		OVER RATED POWER(3 Min.)															
		PEAK POWE	R(10 Sec.)	1125W													
		SURGE POW	ER(30 Cycles)	1500W													
		AC VOLTAGE		Default setting set at 110VAC Default setting set at 230VAC													
				100 / 110 / 115 / 120Vac selectable by DIP S.W     200 / 220 / 230 / 240Vac selectable by DIP S.W													
		FREQUENCY		Default setting set at 60Hz±0.1Hz Default setting set at 50Hz±0.1Hz													
		FREQUENCY		50/60Hz selectable by DIP S.W 50/60Hz selectable by DIP S.W													
		WAVEFORM Note.1		True sine wave (THD	<3%)												
		AC REGULATION		±3.0% at rated output voltage													
	l	FRONT PANEL LED		Please see page5													
		DC VOLTAGE		12V	24V	48V	12V	24V		48V							
		VOLTAGE RA	NGE (Typ.)	10~16.5Vdc	20~33Vdc	40~66Vdc	10~16.5Vdc	20~33Vc	dc	40~66Vdc							
	l	DC CURREN	Т (Тур.)	75A	38A	19A	75A	38A		19A							
	l	NOLOAD	NON-SAVING MODE	10W	10W	12W	10W	10W		12W							
	NPUT	DISSIPATION		Default disable. ≦1.	2W ~ 1.5W by models	s @ auto detect AC ou	tput load ≦10W will b	1	to saving m								
		(Тур.)	SAVING MODE	1.2W	1.4W	1.5W	1.2W	1.4W		1.5W							
		OFF MODE C	URRENT DRAW	≦1mA		1				1							
		EFFICIENCY	-		90%	91%	90%	93%		93%							
		BATTERY TY		Lead Acid or li-ion				1									
		FUSE (Intern	-	40A*3	40A*2	25A*2	40A*3	40A*2		25A*2							
			ALARM	11±0.3Vdc	22±0.5Vdc	44±1Vdc	11±0.3Vdc	22±0.5V	/dc	44±1Vdc							
		LOW	SHUTDOWN	10±0.3Vdc	20±0.5Vdc	40±1Vdc	10±0.3Vdc	$20\pm0.5V$		40±1Vdc							
	5		RESTART	12.5±0.3Vdc	25±0.5Vdc	50±1Vdc	12.5±0.3Vdc	25±0.5V		40 ± 1Vdc							
	INPUT		ALARM	15.5±0.3Vdc	31±0.5Vdc	62±1Vdc	12.5±0.3Vdc	31±0.5V		62±1Vdc							
	DC	нідн	SHUTDOWN	16.5±0.3Vdc	33±0.5Vdc	66±1Vdc	16.5±0.3Vdc	33±0.5V		66±1Vdc							
NO		nion	RESTART	15±0.3Vdc	30±0.5Vdc	60±1Vdc	15±0.3Vdc	30±0.5V		60±1Vdc							
PROTECTION		BAT. POLARI		By internal fuse open			10 - 0.0 000	0.50	40								
PRO.	'	DAIL FULARI				e-power on to recover(e	avcont 112/1240E01										
_		OVER TEMPE	ERATURE					down(for 11	12/124GEC	20							
	5	OUTPUT SHO	RT	Shut down o/p voltage, recovers automatically after temperature goes down(for 112/124GFCI) Protection type : Shut down o/p voltage, re-power on to recover													
	OUTPUT		-	105 ~ 115% load for 180 sec., 115% ~ 150% load for 10 sec.													
		OVER LOAD	(Тур.)	Protection type : Shut down o/p voltage, re-power on to recover													
	AC	GFCI PROCT	ECTION	UL458 (Only for "GFCI" AC socket, by request) None													
			DRY CONTACT			,	tor (by RELAY) Open	· Normal w	ork · Short	· Remote off							
	NOIT	REMOTE CONTROL								Power ON-OFF remote control by front panel dry contact connector (by RELAY), Open : Normal work ; Short : Remote off							
				Remote controller sold separately, Order No.: IRC1,IRC2,IRC3 RS-232 ~ R.111 Type connector (Please refer to page 4 for more details)													
		DS-232 COM		RS-232 ~ RJ11 Type connector (Please refer to page 4 for more details) -25 ~ +70°C (Refer to "Derating curve")													
			MUNICATION			efer to page 4 for more	details)										
		WORKING TE	MUNICATION EMP.	-25 ~ +70°C (Refer to	"Derating curve")	eter to page 4 for more	details)										
INVIR	ONMENT	WORKING TE WORKING HI	MUNICATION EMP. JMIDITY	-25 ~ +70°C (Refer to 20% ~ 90% RH non-	o "Derating curve") condensing		details)										
ENVIRG	ONMENT	WORKING TE WORKING HI STORAGE TE	MUNICATION EMP.	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ +	"Derating curve") condensing 158°F, 10 ~ 95% RH	non-condensing											
ENVIR	ONMENT	WORKING TE WORKING HI	MUNICATION EMP. JMIDITY	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m	"Derating curve") condensing 158°F, 10 ~ 95% RH in./1cycle, 60min. e	non-condensing ach along X, Y, Z axes	i	4.0 :									
ENVIR(	ONMENT	WORKING TE WORKING HI STORAGE TE	MUNICATION EMP. JMIDITY EMP., HUMIDITY	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De	"Derating curve") condensing 158°F, 10 ~ 95% RH in./1cycle, 60min. e kra BS EN/EN6236	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0	TP TC 004 approve	d;Design r	efer to AS	/NZS 62368.1							
ENVIR	ONMENT	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to new	"Derating curve") condensing 158°F, 10 ~ 95% RH in./1cycle, 60min. e kra BS EN/EN6236 tt page"AC output s	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more	TP TC 004 approve	d;Design r	efer to AS	/NZS 62368.1							
ENVIR	ONMENT	WORKING TE WORKING HI STORAGE TE VIBRATION	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1, De (Please refer to ne) DC I/P - AC O/P:3.0	"Derating curve") condensing 158°F, 10 ~ 95% RH iin./1cycle, 60min. e kra BS EN/EN6236 kt page"AC output s KVac AC O/P - FG:	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more	TP TC 004 approve	d;Design r									
ENVIR	ONMENT	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to new	o "Derating curve") condensing 158°F, 10 ~ 95% RH iin./1cycle, 60min. e kra BS EN/EN6236 kt page "AC output s KVac AC O/P - FG: Standard	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac	C TP TC 004 approve details)	d;Design r	Test Leve								
ENVIR	ONMENT	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1, De (Please refer to ne) DC I/P - AC O/P:3.0	"Derating curve") condensing 158°F, 10 ~ 95% RH in./1cycle, 60min. e kra BS EN/EN6236 (t page"AC output s KVac AC O/P - FG: Standard FCC for 112,124,	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ	CTPTC004 approve details) e-UN)		Test Leve Class A								
	-	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1, De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated	"Derating curve") condensing 158°F, 10 ~ 95% RH in./1cycle, 60min. e kra BS EN/EN6236 kt page"AC output s KVac AC O/P - FG: Standard FCC for 112,124, BS EN/EN55032(	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224	CTPTC004 approve details) e-UN)		<b>Test Leve</b> Class A Class A								
SAFE &	ΞTY	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ 4 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne) DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current	"Derating curve")           condensing           158°F, 10 ~ 95% RH           iin./1cycle, 60min. e           kra BS EN/EN6236           ktra BS EN/EN6236           ktra C O/P - FG:           Standard           FCC for 112,124,           BS EN/EN55032(           BS EN/EN61000-	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2	CTPTC004 approve details) e-UN)		Test Leve Class A								
SAFE & EMC	ETY	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker	"Derating curve")           condensing           158°F, 10 ~ 95% RH           iin./1cycle, 60min. e           kra BS EN/EN6236           ktra BS EN/EN6236           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN55032(           BS EN/EN61000-           BS EN/EN61000-	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2	CTPTC004 approve details) e-UN)		<b>Test Leve</b> Class A Class A								
SAFE & EMC	ETY	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to nez DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS	"Derating curve")           condensing           158°F, 10 ~ 95% RH           in./lcycle, 60min. e           kra BS EN/EN6236           ktra BS EN/EN6236           KVac         AC O/P - FG:           Standard           FCC for 112,124,'           BS EN/EN61000-           BS EN/EN61000-           BS EN/EN61000-           SEN/EN55035	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2	CTPTC004 approve details) e-UN)	ype-UN)	Test Leve Class A Class A 								
SAFE & EMC	ETY	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b>	"Derating curve")           condensing           158°F, 10 ~ 95% RH           in./1cycle, 60min. e           kra BS EN/EN6236           tpage"AC output s           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN55032(           BS EN/EN61000-           BS EN/EN61000-           SEN/EN55035           Standard	non-condensing ach along X, Y, Z axes 8-1,UL458, E13,EAC ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2 -3-3	CTPTC004 approve details) e-UN)	ype-UN)	Test Leve Class A Class A  	el / Note							
SAFE & EMC	ETY	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND	MUNICATION EMP. JUNIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 Parameter Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS Parameter ESD	"Derating curve")           condensing           -158°F, 10 ~ 95% RH           in./1cycle, 60min. e           kra BS EN/EN6236           kt page"AC output s           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN55032(           BS EN/EN61000-           BS EN/EN61000-           S EN/EN61000-           BS EN/EN61000-           BS EN/EN61000-           BS EN/EN61000-           BS EN/EN61000-	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EAC ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2 -3-3	CTPTC004 approve details) e-UN)	vpe-UN) Test Lev Level 3, 8	Test Leve Class A Class A   el / Note BKV air ; Le	el / Note							
SAFE & EMC	ETY	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO	MUNICATION EMP. JUNIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated	"Derating curve")     condensing     158°F, 10 ~ 95% RH     iin./1cycle, 60min. e     kra BS EN/EN6236     kt page"AC output s     KVac AC O/P - FG:         Standard         FCC for 112,124,         BS EN/EN61000-         BS EN/EN61000-         BS EN/EN61000-         Standard         BS EN/EN61000-         BS EN/E	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2 -3-3	CTPTC004 approve details) e-UN)	ype-UN) Test Lev Level 3, 8 Level 2, 3	Test Leve Class A Class A  el / Note BKV air ; Le 3V/m	el / Note							
SAFE & EMC	ETY	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO	MUNICATION EMP. JUNIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated Magnetic Field	"Derating curve")           condensing           -158°F, 10 ~ 95% RH           in./1cycle, 60min. e           kra BS EN/EN6236           kt page "AC output s           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN61000-	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 	e-UN) ,248 only(expect for T	ype-UN) Test Level 3, 8 Level 2, 3 Level 1, 1	Test Leve Class A Class A  el / Note BKV air ; Le 3V/m 1A/m	el / Note							
SAFE & EMC Note	ETY C .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO	MUNICATION EMP. JUNIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated Magnetic Field 715.7K hrs min.	"Derating curve")           condensing           -158°F, 10 ~ 95% RH           in./1cycle, 60min. e           kra BS EN/EN6236           kt page "AC output s           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN61000-	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 	e-UN) ,248 only(expect for T	ype-UN) Test Level 3, 8 Level 2, 3 Level 1, 1	Test Leve Class A Class A  el / Note BKV air ; Le 3V/m 1A/m	el / Note							
SAFE & EMC (Note	ETY C .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO EMC IMMUNI MTBF DIMENSION	MUNICATION EMP. JUNIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated Magnetic Field 715.7K hrs min. 270°158°67mm (L*W	"Derating curve")           condensing           -158°F, 10 ~ 95% RH           in./1cycle, 60min. e           kra BS EN/EN6236           kt page "AC output s           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN61000-           BS EN/EN6100-           BS EN/EN6100-           BS EN/EN6100-           BS EN/EN610-           BS EN/EN610-           BS EN/E	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 	e-UN) ,248 only(expect for T	ype-UN) Test Level 3, 8 Level 2, 3 Level 1, 1	Test Leve Class A Class A  el / Note BKV air ; Le 3V/m 1A/m	el / Note							
SAFE & EMC (Note	ETY C .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO	MUNICATION EMP. JUNIDITY EMP., HUMIDITY NDARDS VOLTAGE	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated Magnetic Field 715.7K hrs min.	"Derating curve")           condensing           -158°F, 10 ~ 95% RH           in./1cycle, 60min. e           kra BS EN/EN6236           kt page "AC output s           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN61000-           BS EN/EN6100-           BS EN/EN6100-           BS EN/EN6100-           BS EN/EN610-           BS EN/EN610-           BS EN/E	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 	e-UN) ,248 only(expect for T	ype-UN) Test Level 3, 8 Level 2, 3 Level 1, 1	Test Leve Class A Class A  el / Note BKV air ; Le 3V/m 1A/m	el / Note							
SAFE & EMC (Note	ETY C .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO EMC IMMUNI MTBF DIMENSION PACKING	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE DN	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to nez DC I/P - AC O/P:3.0 Parameter Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS Parameter ESD Radiated Magnetic Field 715.7K hrs min. 270*158*67mm (L*W 2.3Kg; 4pcs/ 10.2Kg	"Derating curve")           condensing           158°F, 10 ~ 95% RH           in./lcycle, 60min. e           kra BS EN/EN6236           kra BS EN/EN6236           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN61000-           BS EN/EN61000-           SEN/EN55035           Standard           BS EN/EN61000-           Is EN/EN61000-           Is EN/EN61000-           Is EN/EN61000-           K'H)           (1.9CUFT	non-condensing ach along X, Y, Z axes i8-1,UL458, E13,EA0 ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 	c TP TC 004 approve details) e-UN) ,248 only(expect for T s min. MIL-HDBK-	ype-UN) Test Level 3, 8 Level 2, 3 Level 1, 1	Test Leve Class A Class A  el / Note BKV air ; Le 3V/m 1A/m	el / Note							
SAFE &	ETY C .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO EMC IMMUNI MTBF DIMENSION PACKING 1.Efficiency,	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE DN TY	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 Parameter Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS Parameter ESD Radiated Magnetic Field 715.7K hrs min. 270*158*67mm (L*W 2.3Kg; 4pcs/ 10.2Kg d THD are tested by	"Derating curve")           condensing           158°F, 10 ~ 95% RH           in./lcycle, 60min. e           kra BS EN/EN6236           kra BS EN/EN6236           ktra BS EN/EN6236           KVac         AC O/P - FG:           Standard           FCC for 112,124,'           BS EN/EN61000-           Is EN/EN6100-           Is EN/EN6100-           Is EN/EN6100-           Is E	non-condensing ach along X, Y, Z axes 8-1,UL458, E13,EAC ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 3-2 3-3 3-3 4-2 4-3 4-8 2 (Bellcore) ; 78K hr	c TP TC 004 approve details) e-UN) ,248 only(expect for T s min. MIL-HDBK- Vdc input voltage.	ype-UN) Test Lev Level 3, 8 Level 2, 3 Level 1, 1 217F (25°C	Test Leve Class A Class A  el / Note BKV air ; Le 3V/m 1A/m )								
SAFE & EMC (Note	ETY C. .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO EMC IMMUNI MTBF DIMENSION PACKING 1.Efficiency, 2.All parame	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE DN TY AC regulation ar ters not specified	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated Magnetic Field 715.7K hrs min. 270*158*67mm (L*W 2.3Kg; 4pcs/ 10.2Kg d THD are tested by	"Derating curve")           condensing           158°F, 10 ~ 95% RH           in./lcycle, 60min. e           kra BS EN/EN6236           kra BS EN/EN6236           ktra BS EN/EN6236           KVac         AC O/P - FG:           Standard           FCC for 112,124,'           BS EN/EN61000-           Is EN/EN6100-           Is EN/EN6100-           Is EN/EN6100-           Is E	non-condensing ach along X, Y, Z axes 8-1,UL458, E13,EAC ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2 -3-3 -4-2 -4-3 -4-8 2 (Bellcore) ; 78K hr at 12.5Vdc/25Vdc/50	c TP TC 004 approve details) e-UN) ,248 only(expect for T s min. MIL-HDBK- Vdc input voltage.	ype-UN) Test Lev Level 3, 8 Level 2, 3 Level 1, 1 217F (25°C	Test Leve Class A Class A  el / Note BKV air ; Le 3V/m 1A/m )	el / Note							
SAFE & EMC (Note	ETY C. .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO EMC IMMUNI MTBF DIMENSION PACKING 1.Efficiency, 2.All parame 3.Internal press	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE ON TY AC regulation ar ters not specifieo p-start circuit, the	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated Magnetic Field 715.7K hrs min. 270°158°67mm (L°W 2.3Kg; 4pcs/ 10.2Kg d THD are tested by above are measure setup time is 8s.	"Derating curve")           condensing           -158°F, 10 ~ 95% RH           in./1cycle, 60min. e           ikra BS EN/EN6236           kra BS EN/EN6236           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN61000-           IS EN/EN61000-           BS EN/EN61000-           GOOW, linear load           id at rated load, 25°	non-condensing ach along X, Y, Z axes 8-1,UL458, E13,EAC ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2 -3-3 -4-2 -4-3 -4-8 2 (Bellcore) ; 78K hr at 12.5Vdc/25Vdc/50	c TP TC 004 approve details) e-UN) ,248 only(expect for T s min. MIL-HDBK- Vdc input voltage. ature and set to fact	ype-UN) Test Lev Level 3, 8 Level 2, 3 Level 2, 3 Level 1, 1 217F (25°C	Test Leve Class A Class A  el / Note 3KV air ; Le 3V/m 1A/m )	evel 2, 4KV contac							
SAFE & EMC (Note	ETY C. .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO EMC EMISSIO EMC IMMUNI MTBF DIMENSION PACKING 1.Efficiency, 2.All parame 3.Internal pre 4.The power	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE ON TY AC regulation ar ters not specifieo 9-start circuit, the supply is consid	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ + 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated Magnetic Field 715.7K hrs min. 270°158°67mm (L°W 2.3Kg; 4pcs/ 10.2Kg d THD are tested by d above are measure setup time is 8s. ered as an independ	"Derating curve")           condensing           -158°F, 10 ~ 95% RH           in./1cycle, 60min. e           ikra BS EN/EN6236           kra BS EN/EN6236           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN55032(           BS EN/EN61000-           GOOW, linear load           ed at rated load, 25°           eent unit, but the final	non-condensing ach along X, Y, Z axes 8-1,UL458, E13,EAC ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2 -3-3 -3-3 -4-2 -4-3 -4-8 2 (Bellcore) ; 78K hr at 12.5Vdc/25Vdc/50 C of ambient temper	c TP TC 004 approve details) e-UN) ,248 only(expect for T ,248 only(	ype-UN) Test Lev Level 3, 8 Level 2, 3 Level 2, 3 Level 1, 1 217F (25°C	Test Leve Class A Class A  el / Note 3KV air ; Le 3V/m 1A/m )	evel 2, 4KV contac							
SAFE & EMC Note	ETY C. .4)	WORKING TE WORKING HI STORAGE TE VIBRATION SAFETY STA WITHSTAND EMC EMISSIO EMC EMISSIO EMC IMMUNI MTBF DIMENSION PACKING 1.Efficiency, 2.All parame 3.Internal pre 4.The power EMC direct	MUNICATION EMP. JMIDITY EMP., HUMIDITY NDARDS VOLTAGE ON TY AC regulation ar ters not specifieo 9-start circuit, the supply is consid	-25 ~ +70°C (Refer to 20% ~ 90% RH non- -30 ~ +70°C / -22 ~ 4 10 ~ 500Hz, 3G 10m CB IEC62368-1,De (Please refer to ne: DC I/P - AC O/P:3.0 <b>Parameter</b> Radiated Harmonic Current Voltage Flicker BS EN/EN55024, BS <b>Parameter</b> ESD Radiated Magnetic Field 715.7K hrs min. 270°158°67mm (L*W 2.3Kg; 4pcs/ 10.2Kg d above are measure setup time is 8s. ered as an independ ce on how to perform	"Derating curve")           condensing           -158°F, 10 ~ 95% RH           in./1cycle, 60min. e           ikra BS EN/EN6236           kra BS EN/EN6236           KVac         AC O/P - FG:           Standard           FCC for 112,124,           BS EN/EN55032(           BS EN/EN61000-           GOOW, linear load           ed at rated load, 25°           eent unit, but the final	non-condensing ach along X, Y, Z axes 8-1,UL458, E13,EAC ocket" table for more 1.5KVac 148 only(expect for Typ (CISPR32) for 212,224 -3-2 -3-3 -3-3 -4-2 -4-3 -4-8 2 (Bellcore) ; 78K hr at 12.5Vdc/25Vdc/50 C of ambient temper al equipment still nee	c TP TC 004 approve details) e-UN) ,248 only(expect for T ,248 only(	ype-UN) Test Level Level 3, 8 Level 2, 3 Level 2, 3 Level 1, 1 217F (25°C pry setting. he whole s	Test Leve Class A Class A  el / Note 3KV air ; Le 3V/m 1A/m )	evel 2, 4KV contac							



# NTS-750 series

### AC Output Socket

MODEL NO.	NTS-750-112	NTS-750-124	NTS-750-148	NTS-750-2	12	NTS-750-224	NTS-	750-248
Socket type								
	TYPE-US	TYPE-GFCI	TYPE-UN	TYPE-EU	TYPE-CN	TYPE-UK	TYPE-AU	TYPE-UN
	In Stock	By request	In Stock	In Stock	In Stock	By request	By request	In Stock
Country	USA	USA	UNIVERSAL	EUROPE	CHINA	U.K	AUSTRALIA	UNIVERSAL
Certificate	CB FC	CB FC ctubes (Except for 4BV input)	None	CB E13	Þdekra] [₽	[CE \\	CB Eı3 ≥DEKRA @ [Ĥ[C€ĽK	E3 FA





#### ■ IRC1/2/3 Remote Controller (Accessory sold seperately)

- IRC1/IRC2/IRC3 is the monitoring and control unit.
- IRC1/IRC2/IRC3 can decode the RS-232 signals sent by the inverter series and display through digital meters. Note: Part of the control signals will not function properly due to different compliance of each model.



% Please refer to for more detail: https://www.meanwell.com/webapp/product/search.aspx?prod=IRC1

#### Support RS-232 Communication

• The internal data of single NTS-750 can read through RS-232.



Personal Computer

- % Please refer to for more detail: http://www.meanwell.com/manual.html
- % RJ11-RS232 Communication cable should be ordered seperately, Order No.: RJ11-RS232

#### Remote ON-OFF Control (Built-in)

Remote ON-OFF	AC Output Status
Open	power inverter ON
Short	power inverter OFF

#### AC Output Voltage、Frequency、Power saving mode selectable by DIP SW

Output voltage and frequency setting factory settings are either 110Vac/60Hz or 230Vac/50Hz, users are able to adjust the voltage and frequency, through the DIP switch of position 1,2,3,4 on the panel.



AC Output Voltage、 Frequency、 Power saving mode selectable by DIP SW							
SW1	SW2	SW3	SW4				
OFF	OFF: 100Vac or 200Vac						
OFF	ON : 110Vac or 220Vac	ON:50Hz	ON : Saving mode				
ON	OFF: 115Vac or 230Vac	OFF: 60Hz	OFF: Non-Saving mode				
ON	ON : 120Vac or 240Vac	UFF. 00HZ					



# NTS-750 series

ormal work:				
	Green	Orange	Red	
Status		Remote off		
	Inverter OK	Saving mode	Abnormal Status (See below table)	
			(See below table)	
	-			
	Green	Orange	Red	
DO la sut	● 12.5~15.5Vdc	● 11~12.5Vdc	● <11Vdc or >15.5Vdc	
DC Input	● 25~31Vdc	● 22~25Vdc	<22Vdc or >31Vdc	
	• 50~62Vdc	● 44~50Vdc	<44Vdc or >62Vdc	
		-		
	Green	Orange	Red	
Load	<40% load	• 40~80% load	>80% load	

#### Abnormal status :

LED Indicator	Abnormal Indication
Status 🔶 DC Input O Load	Output overload or AC output short circuit
Status • DC Input	Abnormal DC voltage
Status • DC Input • Load •	Over temperature or Fan lock
Status	Inverter fail
<ul> <li>Light</li> <li>Light off</li> <li>Flash</li> </ul>	







#### Accessory List

% Communication cable (Optional accessory, Power inverter and Communication cable should ordered seperately)

MW's Order No.	Item	Quantity
RJ11-RS232		1

% Carry handle (Optional accessory, Power inverter and Pull handle should ordered seperately)

MW's Order No.		Item	Quantity
	1	Handle	1
Carry Handle	2	Foot pad	4
	3	Screw	2



2 Foot pad





NTS-750 series

