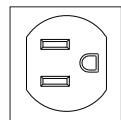
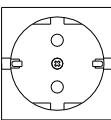
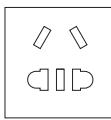
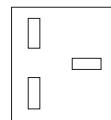


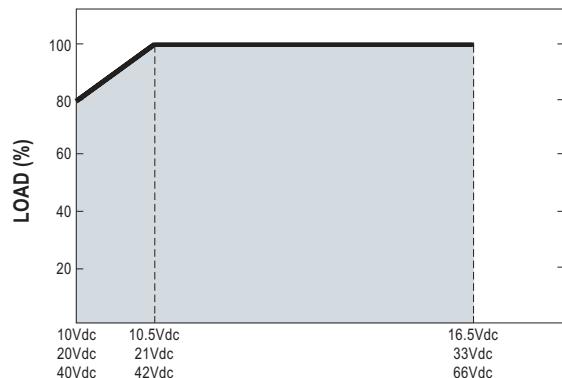
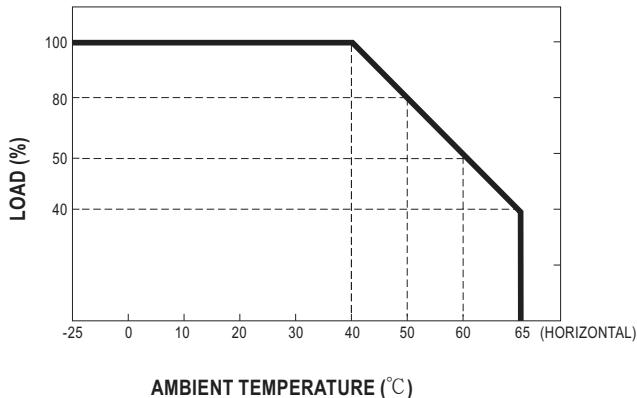
SPECIFICATION

MODEL NO.		NTS-300-112□	NTS-300-124□	NTS-300-148□	NTS-300-212□	NTS-300-224□	NTS-300-248□				
		□ = US, GFCI, UN		□ = EU, CN, AU, UK, UN							
AC OUTPUT	RATED POWER(Continuous)	300W									
	OVER RATED POWER(3 Min.)	345W									
	PEAK POWER(10 Sec.)	450W									
	SURGE POWER(30 Cycles)	600W									
	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							
		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									
DC INPUT	FRONT PANEL LED	Please refer to page5									
	DC VOLTAGE	12V	24V	48V	12V	24V	48V				
	VOLTAGE RANGE (Typ.)	10 ~ 16.5Vdc	20 ~ 33Vdc	40 ~ 66Vdc	10 ~ 16.5Vdc	20 ~ 33Vdc	40 ~ 66Vdc				
	DC CURRENT (Typ.)	30A	15A	8A	30A	15A	8A				
	NO LOAD DISSIPATION (Typ.)	10W	10W	12W	10W	10W	12W				
	SAVING MODE	Default disable, ≤ 1.2W ~ 1.5W by models @ auto detect AC output load ≤ 10W will be changed to saving mode									
	1.2W	1.3W	1.5W	1.2W	1.3W	1.5W					
	OFF MODE CURRENT DRAW	≤ 1mA									
	EFFICIENCY (Typ.)	Note.1 90%		92%	92%	92%	93%				
	BATTERY TYPES	Lead Acid or li-ion									
PROTECTION	DC INPUT	30A*2	30A*1	10A*2	30A*2	30A*1	10A*2				
	LOW	ALARM	11 ± 0.3Vdc	22 ± 0.5Vdc	44 ± 1Vdc	11 ± 0.3Vdc	22 ± 0.5Vdc				
		SHUTDOWN	10 ± 0.3Vdc	20 ± 0.5Vdc	40 ± 1Vdc	10 ± 0.3Vdc	20 ± 0.5Vdc				
		RESTART	12.5 ± 0.3Vdc	25 ± 0.5Vdc	50 ± 1Vdc	12.5 ± 0.3Vdc	25 ± 0.5Vdc				
	HIGH	ALARM	15.5 ± 0.3Vdc	31 ± 0.5Vdc	62 ± 1Vdc	15.5 ± 0.3Vdc	31 ± 0.5Vdc				
		SHUTDOWN	16.5 ± 0.3Vdc	33 ± 0.5Vdc	66 ± 1Vdc	16.5 ± 0.3Vdc	33 ± 0.5Vdc				
		RESTART	15 ± 0.3Vdc	30 ± 0.5Vdc	60 ± 1Vdc	15 ± 0.3Vdc	30 ± 0.5Vdc				
		BAT. POLARITY	By internal fuse open								
	AC OUTPUT	OVER TEMPERATURE	Protection type : Shut down o/p voltage, re-power on to recover								
		OUTPUT SHORT	Protection type : Shut down o/p voltage, re-power on to recover								
FUNCTION	OVER LOAD (Typ.)	105 ~ 115% load for 180 sec., 115% ~ 150% load for 10 sec.									
		Protection type : Shut down o/p voltage, re-power on to recover									
	GFCI PROTECTION	Design refer to UL458 (Only for "GFCI" AC socket, by request)		None							
	REMOTE CONTROL	Power ON-OFF remote control by front panel dry contact connector (by RELAY); Open : Normal work ; Short ,Remote off									
	WORKING TEMP.	-25 ~ +65°C (Refer to "Derating curve")									
	WORKING HUMIDITY	20% ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH non-condensing									
	VIBRATION	10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes									
	SAFETY STANDARDS	CB IEC62368-1, Dekra BS EN/EN62368-1, E13, EAC TP TC 004 approved; Design refer to AS/NZS 62368.1 (Please refer to next page "AC output socket" table for more details) ; Design refer to UL458 (By request)									
	WITHSTAND VOLTAGE	DC I/P - AC O/P: 3.0KVac AC O/P - FG: 1.5KVac									
SAFETY & EMC (Note.4)	EMC EMISSION	Parameter	Standard				Test Level / Note				
		Radiated	FCC for 112,124,148 only(except for Type-UN)				Class A				
			BS EN/EN55032(CISPR32) for 212,224,248 only(except for Type-UN)				Class A				
		Harmonic Current	BS EN/EN61000-3-2				-----				
	EMC IMMUNITY	Voltage Flicker	BS EN/EN61000-3-3				-----				
		BS EN/EN55024, BS EN/EN55035									
		Parameter	Standard				Test Level / Note				
		ESD	BS EN/EN61000-4-2				Level 3, 8KV air ; Level 2, 4KV contact				
	MTBF	Radiated	BS EN/EN61000-4-3				Level 2, 3V/m				
		Magnetic Field	BS EN/EN61000-4-8				Level 1, 1A/m				
		845.6K hrs min.	Telcordia TR/SR-332 (Bellcore) ; 85.3K hrs min.				MIL-HDBK-217F (25°C)				
OTHERS	DIMENSION	210*130*55mm (L*W*H)									
	PACKING	1.3Kg; 8pcs/ 11.4Kg/ 1.74CUFT									
	NOTE	1. Efficiency, AC regulation and THD are tested by 300W, linear load at 12.5Vdc/25Vdc/50Vdc input voltage. 2. All parameters not specified above are measured at rated load, 25°C of ambient temperature and set to factory setting. 3. Internal pre-start circuit, the setup time is 8s. 4. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)									
※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx											

■ AC Output Socket

MODEL NO.	NTS-300-112	NTS-300-124	NTS-300-148	NTS-300-212	NTS-300-224	NTS-300-248
Socket type						
	TYPE-US	TYPE-GFCI	TYPE-UN	TYPE-EU	TYPE-CN	TYPE-UK
	In Stock	By request	In Stock	In Stock	In Stock	By request
Country	USA	USA	UNIVERSAL	EUROPE	CHINA	U.K
Certificate	CB  	CB 	None	CB    	CB    	 

■ DERATING CURVE

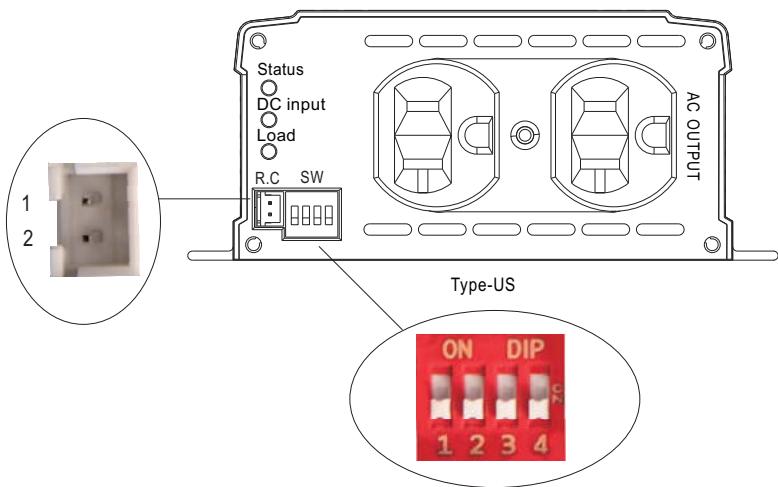


■ Remote ON-OFF Control

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	ON : 50Hz	ON : Saving mode
OFF ON : 110Vac or 220Vac		
ON OFF : 115Vac or 230Vac	OFF: 60Hz	OFF: Non-Saving mode
ON ON : 120Vac or 240Vac		

■ LED STATUS

Normal work:

Status	Green	Orange	Red
	 Inverter OK	 Remote off  Saving mode	 Abnormal Status (See below table)

DC Input	Green	Orange	Red
	 12.5~15.5Vdc  25~31Vdc  50~62Vdc	 11~12.5Vdc  22~25Vdc  44~50Vdc	 <11Vdc or >15.5Vdc  <22Vdc or >31Vdc  <44Vdc or >62Vdc

Load	Green	Orange	Red
	 <40% load	 40~80% load	 >80% load

Abnormal status :

LED Indicator	Abnormal Indication
Status 	
DC Input 	Output overload or AC output short circuit
Load 	
Status 	
DC Input 	Abnormal DC voltage
Load 	
Status 	
DC Input 	Over temperature or Fan lock
Load 	
Status 	
DC Input 	Inverter fail
Load 	

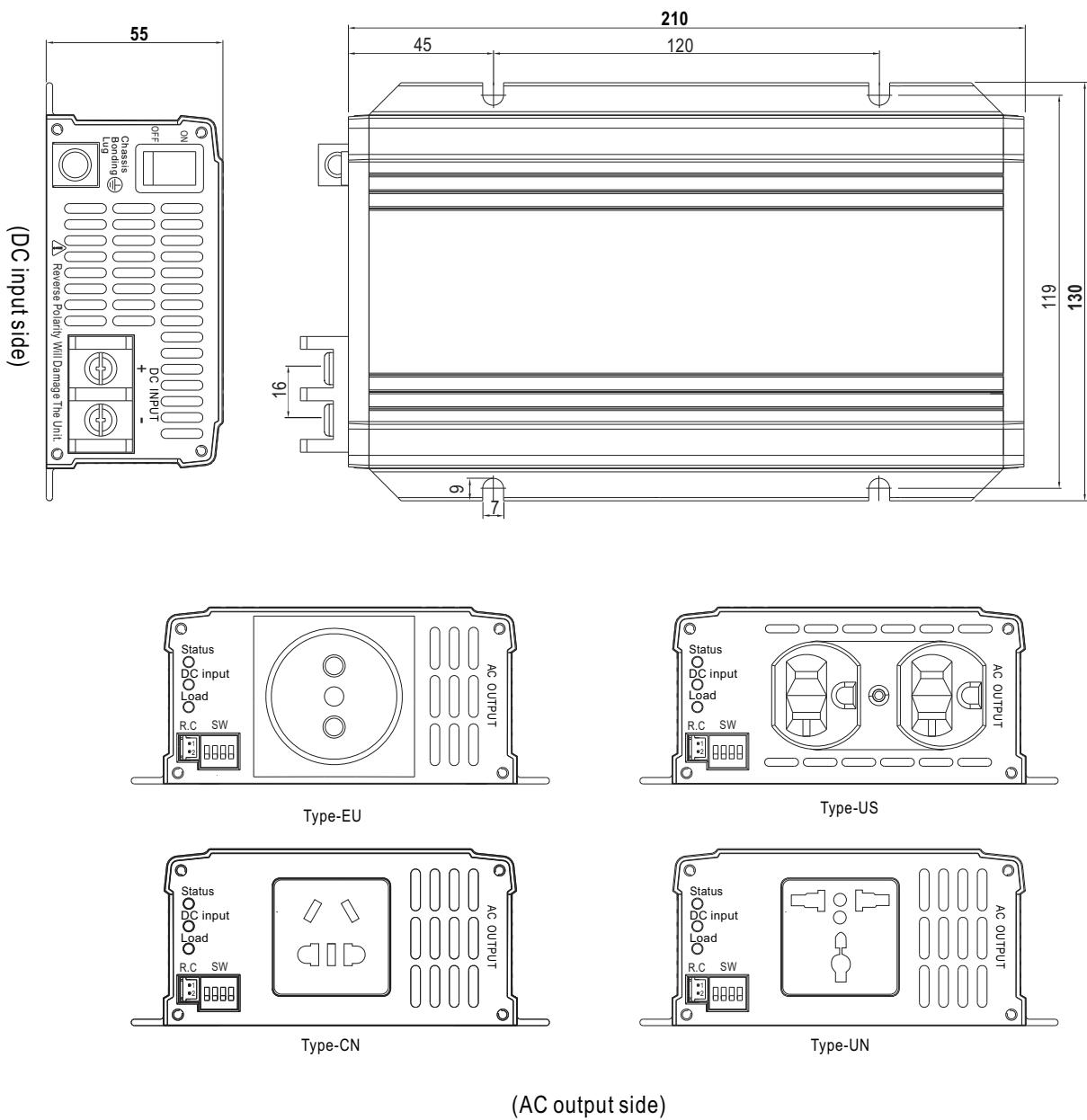
 Light

 Light off

 Flash

■ MECHANICAL SPECIFICATION

Unit:mm



R.C Connector : JST B-XH or equivalent

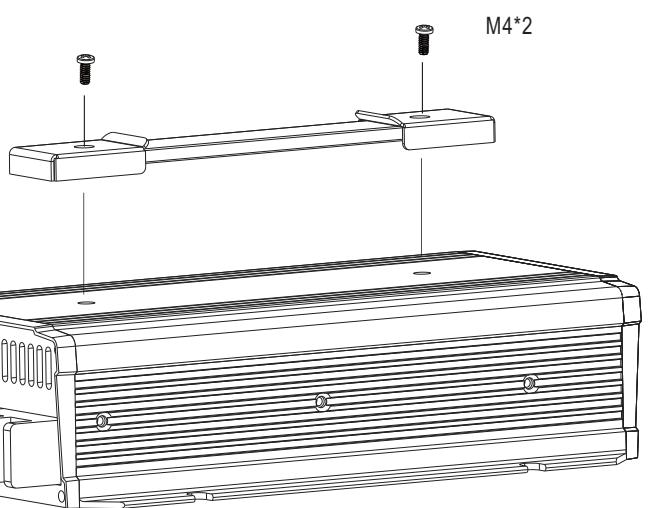
Remote Control	Mating Housing	Terminal
Pin 1,2 Open: Normal work	JST XHP or equivalent	JST SXH-001T or equivalent
Pin 1,2 Short: Remote off		

■ Accessory List

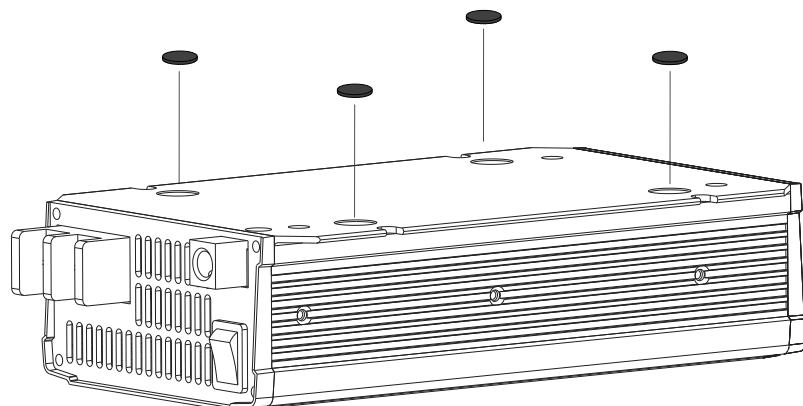
※ Carry handle (Optional accessory, Power inverter and Pull handle should ordered separately)

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

① Handle



② Foot pad



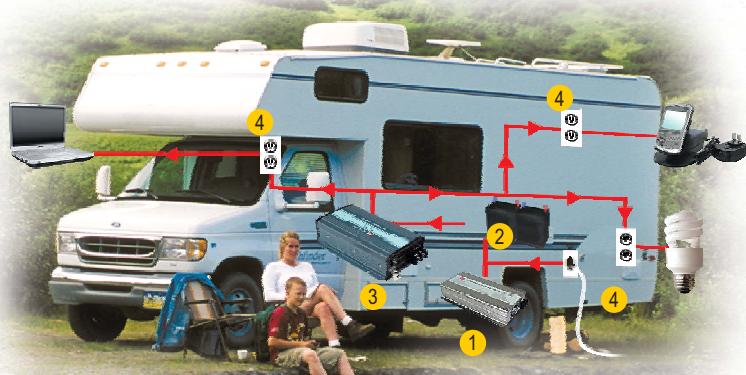
■ TYPICAL APPLICATION



- 1 Battery Bank
- 2 Off-Grid DC/AC Solar Inverter (NTS series)
- 3 AC Outlet



- 1 Utility Input (Shore)
- 2 AC/DC Battery Charger (PB/NPB/NPP series)
- 3 Battery Bank
- 4 Off-Grid DC/AC Power Inverter (NTS series)
- 5 AC Outlet



- 1 AC/DC Battery Charger (PB/NPB/NPP series)
- 2 Battery Bank
- 3 Off-Grid DC/AC Inverter (NTS series)
- 4 AC Outlet

■ INSTALLATION MANUAL

Please refer to : <http://www.meanwell.com/manual.html>