



Features :

- True sine wave output (THD<3%)
- High surge power up to 6000W
- U.P.S. mode and energy saving mode (selectable)
- High efficiency up to 92%
- Power ON-OFF switch
- Standby saving mode can be selectable
- Front panel indicator for operation status
- Thermostatically controlled cooling fan
- Protections: Bat. low alarm / Bat. low shutdown / Over voltage / Over temp. / Output short / Input polarity reverse / Overload / AC circuit breaker
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht ...etc.
- Built-in solar / AC charger
- Optional monitoring software
- 3 years warranty

SPECIFICATION

MODEL		SMT-N3000-112□	SMT-N3000-124□	SMT-N3000-148□	SMT-N3000-212□	SMT-N3000-224□	SMT-N3000-248□
OUTPUT	RATED POWER (Typ.)	3000W					
	MAXIMUM OUTPUT POWER (Typ.)	3450W for 180 sec. / 4500W for 10 sec. / surge power 6000W for 30 cycles					
	AC VOLTAGE	Factory setting set at 110VAC			Factory setting set at 230VAC		
		100 / 110 / 115 / 120VAC selectable by setting button S.W			200 / 220 / 230 / 240VAC selectable by setting button S.W		
	FREQUENCY	60±0.1Hz 50/60Hz selectable by setting button S.W			50±0.1Hz 50/60Hz selectable by setting button S.W		
	WAVEFORM	True sine wave (THD<3%) at rated input voltage					
	AC REGULATION (Typ.)	±3%					
	TRANSFER TIME (Typ.)	10ms inverter →→ by pass					
SAVING MODE (Typ.)	Load ≤5W will be changed to standby mode						
FRONT PANEL INDICATOR	Battery voltage level, output load level, saving mode, fault and operation status						
INPUT	BAT. VOLTAGE	12V	24V	48V	12V	24V	48V
	VOLTAGE RANGE (Typ.) Note.3,6	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC
	DC CURRENT (Typ.) Note.4	300A	150A	75A	300A	150A	75A
	NO LOAD DISSIPATION (Typ.)	≤10W @ standby saving mode					
	OFF MODE CURRENT DRAW (Typ.)	≤1mA					
	EFFICIENCY (Typ.) Note.1	88%	90%	91%	89%	91%	92%
BATTERY TYPES	Open & sealed lead acid battery						
BATTERY INPUT PROTECTION	FUSE	40A*12	40A*6	20A*6	40A*12	40A*6	20A*6
	BAT. LOW ALARM Note.6	11.3V	22.5V	45V	11.3V	22.5V	45V
	BAT. LOW SHUTDOWN Note.6	10.5V	21V	42V	10.5V	21V	42V
	REVERSE POLARITY	By internal fuse open					
OUTPUT PROTECTION	OVER TEMPERATURE	90°C±5°C	85°C±5°C	85°C±5°C	80°C±5°C	75°C±5°C	75°C±5°C
		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					
	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					
CIRCUIT BREAKER	AC input: 40A, AC output receptacle:15A			AC input: 20A, AC output receptacle: 15A			
GFCI PROTECTION	Optional (Only type F)			None			
ENVIRONMENT	WORKING TEMP. Note.2	0 ~ +40°C @ 100% load ; 60°C @ 50% load					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-30 ~ +70°C / -22 ~ +158°F, 10 ~ 95% RH					
	VIBRATION	10 ~ 500Hz, 3G 10min./1cycle, 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	-			None		
	LVD	None			EN60950-1		
	WITHSTAND VOLTAGE	Bat I/P - AC I/P:3.0KVAC Bat I/P - AC O/P:3.0KVAC AC O/P - FG:1.5KVAC					
	ISOLATION RESISTANCE	Bat I/P - AC O/P, Bat I/P - FG, AC O/P - FG: 100M ohms / 500VDC / 25°C / 70% RH					
	EMI CONDUCTION&RADIATION	Compliance to FCC class A			Compliance to EN55022 class A, 72/ 245/ CEE, 95/ 54/ CE, E-Mark		
	EMS IMMUNITY	None			Compliance to EN61000-4-2,3,4,5,6,8,11 ENV50204		
AC CHARGER	CHARGE CURRENT (Typ.)	25A	12A	6A	25A	12A	6A
	CHARGE VOLTAGE Note.6	14.3V	28.5V	57V	14.3V	28.5V	57V
SOLAR PANEL	MAX OPEN CIRCUIT VOLTAGE	25V	45V	75V	25V	45V	75V
	SHORT CIRCUIT CURRENT (max.)	30A					
OTHERS	CONTROL WIRING	RJ11 -RS232 (Option)					
	DIMENSION	466.8*283.5*100mm (L*W*H)					
	PACKING	12.9Kg; 1pcs/14Kg/1.98CUFT					
NOTE	1.Efficiency is tested by 2100W, linear load at 13V, 26V, 52V input voltage. 2.Output derating capacity referenced by curve 1. 3.Output derating capacity referenced by curve 2. 4.DC current is tested by 3000W, linear load at 12V, 24V, 48V input voltage. 5.All parameters not specified above are measured at rated load, 25°C of ambient temperature. 6.The tolerance of each voltage value by models is:112/212→±0.5V;124/224→±1V;148/248→±2V						