

## 特點

- True sine wave output (THD<3%)
- Power ON-OFF switch
- Saving mode setted by controller
- LED indicator for operation status
- Thermostatically controlled cooling fan
- Protections : Bat. low alarm / Bat. low shutdown / Over temp. / Output short / Input polarity reverse / Overload
- Application : Home appliance, power tools, office and portable equipment, vehicle and yacht...etc.
- Solar panel input and with UPS function
- Optional monitoring software
- 2 years warranty



## 1. 選購型號 : SMT-N1500- [ ] [ ] [ ]

| NO   | O/P Wattage | NO | Output | NO | Bat. Voltage | NO | AC Output Receptacles | NO | AC Output Receptacles |
|------|-------------|----|--------|----|--------------|----|-----------------------|----|-----------------------|
| 1500 | 1500W       | 1  | 120VAC | 12 | 12VDC        | A  | TYPE A OUTLET         | D  | TYPE D OUTLET         |
|      |             | 2  | 230VAC | 24 | 24VDC        | B  | TYPE B OUTLET         | E  | TYPE E OUTLET         |
|      |             |    |        | 48 | 48VDC        | C  | TYPE C OUTLET         | F  | TYPE F OUTLET         |

## 2. 規格表

| TYPE                     |                             | SMT-N1500-112  | SMT-N1500-124 | SMT-N1500-148 | SMT-N1500-212   | SMT-N1500-224 | SMT-N1500-248 |
|--------------------------|-----------------------------|--|---------------|---------------|---|---------------|---------------|
| OUTPUT                   | RATED POWER (Typ.)          | 1500W  |               |               |   |               |               |
|                          | AC RATED VOLTAGE            | 120V   |               |               | 230V  |               |               |
|                          | AC VOLTAGE                  | 100 / 110 / 115 / 120 selectable by controller   |               |               | 200 / 220 / 230 / 240 selectable by controller  |               |               |
|                          | SURGE CURRENT               | 30A (500ms typ.)   |               |               | 20A (500ms typ.)  |               |               |
|                          | MAX. OUTPUT POWER           | 1725W (3min.) / 2250W (10sec.)   |               |               |   |               |               |
|                          | WAVEFORM                    | True sine wave (THD<3%) at rated input voltage   |               |               |   |               |               |
|                          | FREQUENCY                   | 50/60 1Hz  |               |               |   |               |               |
|                          | AC REGULATION (Typ.)        | 3.0%   |               |               |   |               |               |
|                          | TRANSFER TIME               | t<10ms inverter by pass  |               |               |   |               |               |
|                          | SAVING MODE TO NORMAL       | 3s (5 ~ 25W)   |               |               |   |               |               |
| INPUT                    | LED INDICATOR               | Protections, saving mode, and operations status  |               |               |   |               |               |
|                          | DC CURRENT (Typ.)           | 150A   | 75A           | 37.5A         | 150A  | 75A           | 37.5A         |
|                          | NO LOAD DISSIPATION         | 18W @ saving mode  |               |               |   |               |               |
|                          | OFF MODE CURRENT DRAW       | 1mA  |               |               |   |               |               |
|                          | BAT. VOLTAGE                | 12V  | 24V           | 48V           | 12V   | 24V           | 48V           |
|                          | VOLTAGE RANGE (Typ.) Note.1 | 10.5 ~ 15VDC   | 21 ~ 30VDC    | 42 ~ 60VDC    | 10.5 ~ 15VDC  | 21 ~ 30VDC    | 42 ~ 60VDC    |
| BATTERY INPUT PROTECTION | EFFICIENCY (Typ.) Note.2    | 87%  | 89%           | 90%           | 88%   | 90%           | 91%           |
|                          | FUSE                        | 40A*5  | 30A*3         | 30A*2         | 40A*5   | 30A*3         | 30A*2         |
|                          | BAT. LOW ALARM              | 10.7 4%  | 21.4 4%       | 42.8 4%       | 10.7 4%   | 21.4 4%       | 42.8 4%       |
|                          | BAT. LOW SHUTDOWN           | 10.3 4%  | 20.6 4%       | 41.2 4%       | 10.3 4%   | 20.6 4%       | 41.2 4%       |
| OUTPUT PROTECTION        | BAT. POLARITY               | By internal fuse open  |               |               |   |               |               |
|                          | OVER TEMPERATURE            | 0 ~ 45 at full load, Reset : re-power on   |               |               |   |               |               |
|                          | OUTPUT SHORT                | Shut-off, Reset : re-power on  |               |               |   |               |               |
|                          | OVER LOAD (INVERTER)        | 105 ~ 117% 5% load 180 sec., 117% ~ 150% 5% load 10 sec., shut down re-power on                          |               |               |   |               |               |
|                          | OVER LOAD (AC LINE)         | Circuit breaker protection   |               |               |   |               |               |
| ENVIRONMENT              | GFCI PROTECTION             | Optional (Only type F)   |               |               | None  |               |               |
|                          | WORKING TEMP. Note.3        | 0 ~ +60  |               |               |   |               |               |
|                          | WORKING HUMIDITY            | 20 ~ 90% RH non-condensing   |               |               |   |               |               |
|                          | STORAGE TEMP., HUMIDITY     | -30 ~ +70 / -22 ~ +158 , 10 ~ 95% RH   |               |               |   |               |               |
| OTHERS                   | VIBRATION                   | 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes   |               |               |   |               |               |
|                          | BATTERY TYPES               | Open & Sealed Lead Acid  |               |               |   |               |               |
|                          | DIMENSION                   | 420*220*88mm (L*W*H)   |               |               |   |               |               |
| NOTE                     | PACKING                     | 6.85Kg; 2pcs/14.7Kg/1.89 CUFT  |               |               |   |               |               |
|                          |                             | 1. Output derating capacity referenced by curve 1.<br>3. Output derating capacity referenced by curve 2. |               |               | 2. Efficiency is tested by 1000W, linear load at 13V, 26V, 52V input voltage.<br>4. All parameters not specified above are measured at rated load, 25 of ambient temperature. |               |               |

AC Output Receptacles (Optional)

|        |        |           |        |        |        |
|--------|--------|-----------|--------|--------|--------|
|        |        |           |        |        |        |
| TYPE-A | TYPE-B | TYPE-C    | TYPE-D | TYPE-E | TYPE-F |
| USA    | EUROPE | AUSTRALIA | U.K    | JAPAN  | GFCI   |

## 📖 Solar 充電：

- 保固二年
- 可選購監視軟體
- 電池容量指示燈 (4格)
- 負載指示燈 (4格)
- 市電/電池/太陽能狀態指示燈
- 輸出電壓可調
- 失真率小於 3%
- 效率 91%
- 停電時轉換時間 0.01 秒
- 高階數位 CHIP IC 控制
- 瞬間最大電流：  
1725W x 3 分鐘  
2250W x 10 秒
- 太陽能及市電充電功能
- 待機低耗電 18W
- 輸入/輸出/極性保護
- 短路/過載/過溫度保護
- 低壓警報
- 50Ax2 : 500W : 16 小時  
100Ax2 : 500W : 32 小時

## 📍 主要應用場所：

- 豪宅/別墅太陽能
- 環保節能市場
- 遊艇/漁船導航設備(如儀器)
- 太陽能熱水器
- 公家機關
- 教學機構
- 冰箱/風扇/熱水器/咖啡爐/電視/電腦
- 養殖業

## 📖 UPS 功能：

- 由台電轉為電池，平常可當充電器
- 使用在不能停電的地方或設備

## 📍 主要應用場所：

- 醫院
- 鐵捲門
- 逃生設備
- POE(48V)
- 電信設備(48V)
- 水族館/大型水族箱
- 消防設備
- 生物科技
- 實驗室
- 警察局
- 消防局
- 地震/颱風設備

## 📖 ATS 功能(省電模式)：

- 平常使用電池由太陽能或其他設備充電
- 電池沒電時再轉為市電供電

## 📍 主要應用場所：

- LED 照明市場(如路燈)
- 地上指示燈
- 公園照明
- 廣告招牌

## 📖 INV 功能：

- 電池轉為 AC110V 電源

## 📍 主要應用場合：

- 遊覽車/卡車/拖車上的設備(如電視)
- 筆記型電腦充電
- 照明展示系統
- 手機充電
- 轉播車
- 冷凍車
- 露營車
- 舞台車

## 📖 電力銀行(Power Case)：

- 可提供 AC110V / AC220V / D5V / DC12V / DC24V / DC48V 不斷電系統