



# Pure Sine Wave Inverter / Charger

# SN-C Series



- | Features                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Bi-directional Inverter and Charger</li> <li>• Pure Sine Wave Output</li> <li>• Microcontroller Integrated</li> <li>• Adjustable Energy Saving Mode</li> <li>• Input &amp; Output Fully Isolation</li> <li>• Intelligent PWM Output Regulation</li> </ul> | <ul style="list-style-type: none"> <li>• Intelligent Temp &amp; Load Cooling Fan</li> <li>• Multi Pre-Alarm &amp; Shutdown Alarm Protections:<br/>Battery Type Detection / Polarity Reverse / Low Voltage<br/>Short Circuit / Overheat / Overload</li> <li>• Aluminum Housing</li> <li>• 100% Made in Taiwan</li> </ul> |

| Model                               | SN-350C                                                                                                | SN-700C        | SN-1000C       | SN-1500C       | SN-2000CLCD                                      | SN-2500CLCD                | SN-3000CLCD     |             |
|-------------------------------------|--------------------------------------------------------------------------------------------------------|----------------|----------------|----------------|--------------------------------------------------|----------------------------|-----------------|-------------|
| <b>System</b>                       |                                                                                                        |                |                |                |                                                  |                            |                 |             |
| <b>Continuous Power</b>             | 350W                                                                                                   | 700W           | 1000W          | 1500W          | 2000W                                            | 2500W                      | 3000W           |             |
| <b>Surge Power</b>                  | 700W                                                                                                   | 1200W          | 2000W          | 3000W          | 4000W                                            | 5000W                      | 6000W           |             |
| <b>Output Voltage</b>               | 100/110/120 VAC; 220/230/240 VAC                                                                       |                |                |                |                                                  |                            |                 |             |
| <b>Output Waveform</b>              | Pure Sine Wave                                                                                         |                |                |                |                                                  |                            |                 |             |
| <b>Total Harmonic Distortion</b>    | < 3%                                                                                                   |                |                |                |                                                  |                            |                 |             |
| <b>Output USB Port</b>              | 5VDC, 2.1A x 1 Port                                                                                    |                |                | -              |                                                  | Quick Charge 3.0 x 2 Ports |                 |             |
| <b>Standby Current (Normal)</b>     | <b>DC 12V</b>                                                                                          | < 0.7A         | < 0.9A         | < 1.0A         | < 2.0A                                           |                            | < 2.5A          |             |
|                                     | <b>DC 24V</b>                                                                                          | < 0.5A         | < 0.6A         | < 0.8A         | < 1.3A                                           |                            | < 1.5A          |             |
| <b>Standby Current (Saving)</b>     | -                                                                                                      |                | < 0.1A         | < 0.15A        |                                                  |                            |                 |             |
| <b>Output Regulation</b>            | < ±5% Intelligent PWM                                                                                  |                |                |                |                                                  |                            |                 |             |
| <b>Output Frequency</b>             | 50/55/60 Hz Crystal Controlled                                                                         |                |                |                | 50/60 Hz Select by Button                        |                            |                 |             |
| <b>Input Voltage</b>                | DC 12V: 10~15V; DC 24V: 20~30V                                                                         |                |                |                |                                                  |                            |                 |             |
| <b>Efficiency</b>                   | > 85%                                                                                                  |                |                |                |                                                  |                            |                 |             |
| <b>Protection</b>                   |                                                                                                        |                |                |                |                                                  |                            |                 |             |
| <b>Input Type Auto-Detection</b>    | YES                                                                                                    |                |                |                |                                                  |                            |                 |             |
| <b>Input Polarity Reverse Prot.</b> | Fuse                                                                                                   |                |                |                |                                                  |                            |                 |             |
| <b>Input Low Voltage Prot.</b>      | DC 12V: < 10.5V Pre-Alarm, < 10V Shutdown & Alarm<br>DC 24V: < 21.0V Pre-Alarm, < 20V Shutdown & Alarm |                |                |                |                                                  |                            |                 |             |
| <b>Short Circuit Protection</b>     | YES                                                                                                    |                |                |                |                                                  |                            |                 |             |
| <b>RCD (GFCI) Protection</b>        | Optional                                                                                               |                |                |                |                                                  |                            |                 |             |
| <b>Overheat Protection</b>          | > 65°C ± 5°C Shutdown & Alarm                                                                          |                |                |                | > 90°C Pre-Alarm, > 95°C Auto-off & Alarm        |                            |                 |             |
| <b>Overload</b>                     | <b>Pre-Alarm</b>                                                                                       | -              | -              | > 1000W        | > 1500W                                          | > 110%                     |                 |             |
|                                     | <b>Auto-Off &amp; Alarm</b>                                                                            | > 380W         | > 750W         | > 1200W        | > 1750W                                          | > 120%                     |                 |             |
| <b>Cooling</b>                      | Intelligent Fan                                                                                        |                |                |                | Intelligent Fan / Force Cooling Select by Button |                            |                 |             |
| <b>Mechanical</b>                   |                                                                                                        |                |                |                |                                                  |                            |                 |             |
| <b>Fuse</b>                         | <b>DC 12V</b>                                                                                          | 25A x 2PCS     | 30A x 3PCS     | 25A x 6PCS     | 25A x 7PCS                                       | 30A x 8PCS                 | 25A x 12PCS     | 25A x 14PCS |
|                                     | <b>DC 24V</b>                                                                                          | 15A x 2PCS     | 15A x 3PCS     | 15A x 6PCS     | 15A x 7PCS                                       | 15A x 8PCS                 | 15A x 12PCS     | 15A x 14PCS |
| <b>AC Outlets</b>                   | EU: 1; USA: 2                                                                                          |                |                |                |                                                  | EU: 1; USA: 1              | EU: 2; USA: 2   |             |
| <b>Dimension (L x W x H) (mm)</b>   | 370 x 135 x 79                                                                                         | 430 x 135 x 79 | 455 x 195 x 80 | 430 x 227 x 88 | 525 x 227 x 88                                   | 430 x 200 x 157            | 525 x 200 x 157 |             |
| <b>Net Weight</b>                   | 1.6 kg                                                                                                 | 3.1 kg         | 4.8 kg         | 5.7 kg         | 7.8 kg                                           | 10.0 kg                    | 11.0 kg         |             |
| <b>RC Accessory</b>                 | RC-S                                                                                                   |                | RC-S-SN        |                |                                                  |                            |                 |             |
| <b>Battery Charger</b>              |                                                                                                        |                |                |                |                                                  |                            |                 |             |
| <b>Charging Current</b>             | <b>DC 12V</b>                                                                                          | 10A            |                | 20A            |                                                  |                            |                 |             |
|                                     | <b>DC 24V</b>                                                                                          | 5A             |                | 10A            |                                                  |                            |                 |             |
| <b>Battery Full Detection</b>       | YES                                                                                                    |                |                |                |                                                  |                            |                 |             |
| <b>Power Auto-Switch</b>            | AC LINE -> INVERTER; INVERTER -> AC LINE                                                               |                |                |                |                                                  |                            |                 |             |
| <b>Switching Time</b>               | AC LINE -> INVERTER: < 16ms; INVERTER -> AC LINE: < 20ms                                               |                |                |                |                                                  |                            |                 |             |



8x2 Smart Display: SN1000~3000C BT/LCD Models

⏻ : Display Button

