

## High Frequency OffGrid Solar Inverter

### SINUS PRO ULTRA 10000 48/230V (5000/10000W) + 80A MPPT

INDEKS: 3SSH500048

EAN: 5904100450763



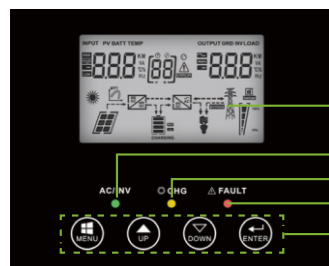
#### Features

- Rated power : 5KW
- Pure sine wave solar inverter
- Output power factor 1
- Built-in 80A MPPT solar charger
- Built-in anti-dust kit for harsh environment
- Support parallel operation up to 3 units (available for 3KW-5.5KW 48V)
- Compatible to generator

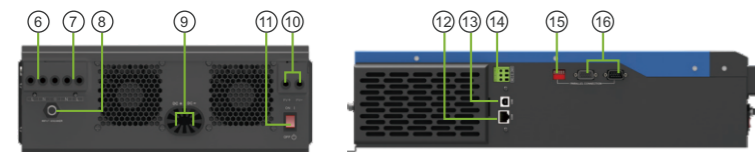
#### Introduction

SINUS PRO ULTRA 10000 is a multi-functional inverter/charger, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.

#### Back panel printing description



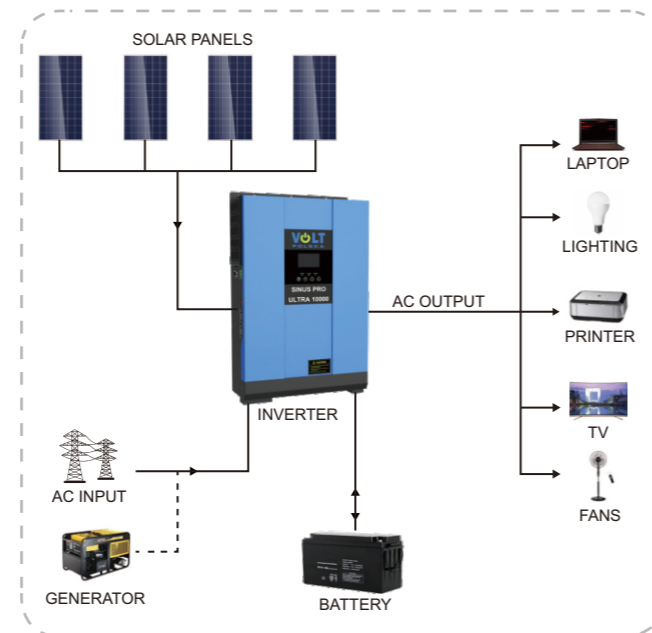
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[ SINUS PRO ULTRA 10000 ]

6. AC input
7. AC output
8. Circuit breaker
9. Battery input
10. PV input
11. Power on/off switch
12. RS-485 Communication port
13. USB
14. Dry contact
15. Parallel switch
16. Parallel communication port (only for parallel model)

#### Solar system connection



#### Specification

| MODEL                          | SINUS PRO ULTRA 10000                 |                                                        |
|--------------------------------|---------------------------------------|--------------------------------------------------------|
| Nominal Battery System Voltage |                                       | 48VDC                                                  |
| INVERTER OUTPUT                | Rated Power                           | 5000W                                                  |
|                                | Surge Power                           | 10000W                                                 |
|                                | Waveform                              | Pure Sine Wave                                         |
|                                | AC Voltage Regulation (Batt.Mode)     | (220VAC~240VAC)±5%                                     |
|                                | Inverter Efficiency(Peak)             | 93%                                                    |
|                                | Transfer Time                         | 10ms (UPS / VDE4105) 20ms (APL)                        |
| AC INPUT                       | Voltage                               | 230VAC                                                 |
|                                | Selectable Voltage Range              | 170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE4105) |
|                                | Frequency Range                       | 50Hz / 60Hz(Auto sensing)                              |
| BATTERY                        | Normal Voltage                        | 48VDC                                                  |
|                                | Floating Charge Voltage               | 54.8VDC                                                |
|                                | Overcharge Protection                 | 60VDC                                                  |
| SOLAR CHARGER & AC CHARGER     | Maximum PV Array Open Circuit Voltage | 145VDC                                                 |
|                                | PV Array MPPT Voltage Range Vmp       | 60~130VDC                                              |
|                                | Standby Power Consumption             | 2W                                                     |
|                                | Maximum Solar Charge Current          | Imp up to 80A                                          |
|                                | Maximum Efficiency                    | 98%                                                    |
|                                | Maximum AC Charge Current             | 60A                                                    |
| MECHANICAL SPECIFICATIONS      | Maximum Charge Current                | 140A                                                   |
|                                | Machine Dimensions                    | 485x318x129mm                                          |
|                                | Gross Dimensions (Single Packaging)   | 575x425x219mm                                          |
|                                | Net Weight                            | 11,5kg                                                 |
| OTHER                          | Gross Weight (Single Packaging)       | 12,5kg                                                 |
|                                | Humidity                              | 5% to 95% Relatiy Humidity (Non-condensing)            |
|                                | Operating Temperature                 | 0°C~50°C                                               |
|                                | Storage Temperature                   | -15°C ~60°C                                            |