

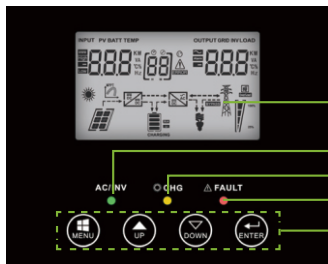
Features

- 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

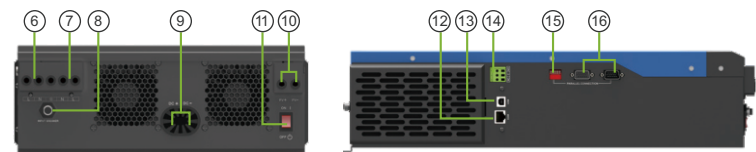
Introduction

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



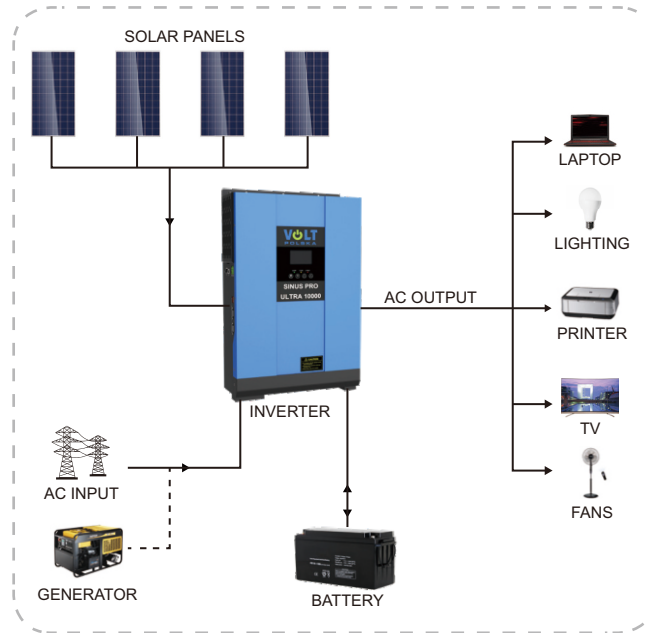
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[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	60~130VDC
	Standby Power Consumption	2W
	Maximum Solar Charge Current	80A
	Maximum Efficiency	98%
	Maximum AC Charge Current	60A
	Maximum Charge Current	140A
MECHANICAL SPECIFICATIONS	Machine Dimensions	485x318x129mm
	Gross Dimensions (Single Packaging)	575x425x219mm
	Net Weight	11,5kg
	Gross Weight (Single Packaging)	12,5kg
OTHER	Humidity	5% to 95% Relatiy Humidity (Non-condensing)
	Operating Temperature	0°C~50°C
	Storage Temperature	-15°C ~60°C