

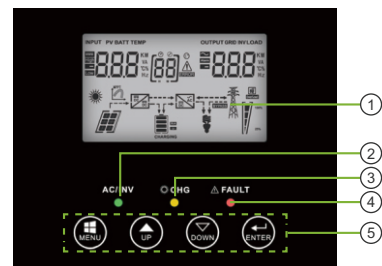
**Features**

- Rated power: 1KW
- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built in MPPT 60A/80A solar charge controller
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator

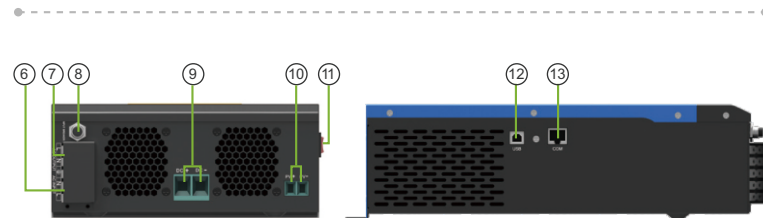
**Introduction**

This is a multi-function inverter/charger, combining functions of inverter, MPPT 60A/80A solar charger and battery charger to offer uninterruptible power support with 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**



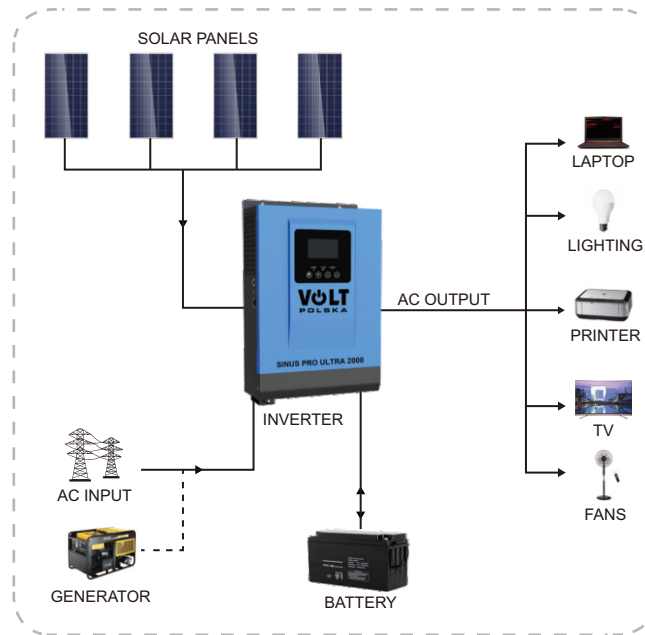
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[ SINUS PRO ULTRA 2000 ]

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

**Solar system connection**



**Specification**

MODEL		SINUS PRO ULTRA 2000
Default Battery System Voltage		12VDC
INVERTER OUTPUT	Rated Power	1000VA / 1000W
	Surge Power	2000VA
	Waveform	Pure sine wave
	AC Voltage Regulation (Batt.Mode)	220VAC~240VAC(Setting)
	Inverter Efficiency(Peak)	90%~93%
	Transfer Time	10ms(UPS / VDE4105) / 20ms(APL)
AC INPUT	Voltage	230VAC
	Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE)
	Frequency Range	50Hz / 60Hz (Auto sensing)
BATTERY	Normal voltage	12VDC
	Floating Charge Voltage	13.7VDC
	Overcharge Protection	15VDC
SOLAR CHARGER & AC CHARGER"	Maximum PV Array Open Circuit Voltage	75VDC
	PV Array MPPT Voltage Range	15~75VDC
	Standby Power Consumption	2W
	Maximum Solar Charge Current	60A MPPT
	Maximum Efficiency	98%
	Maximum AC Charge Current	10A or 20A
	Maximum Charge Current	70A
MECHANICAL SPECIFICATIONS	Machine Dimensions	224x337x97mm
	Gross Dimensions (Single Packaging)	410x300x178mm
	Net Weight	5kg
	Gross Weight (Single Packaging)	5,4kg
OTHER	Humidity	5% to 95% Relativ Humidity (Non-condensing)
	Operating Temperature	0°C~50°C
	Storage Temperature	-15°C -60°C