

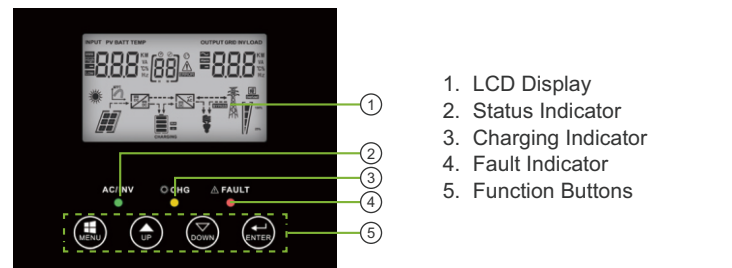
Features

- Rated power: 3KW
- 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
- Compatible to generator

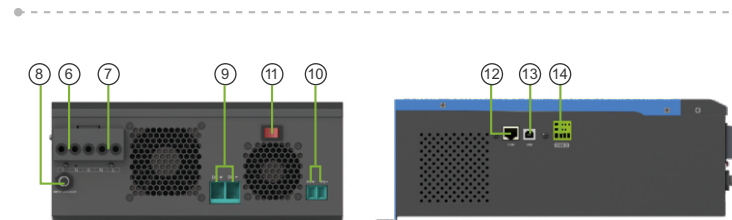
Introduction

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



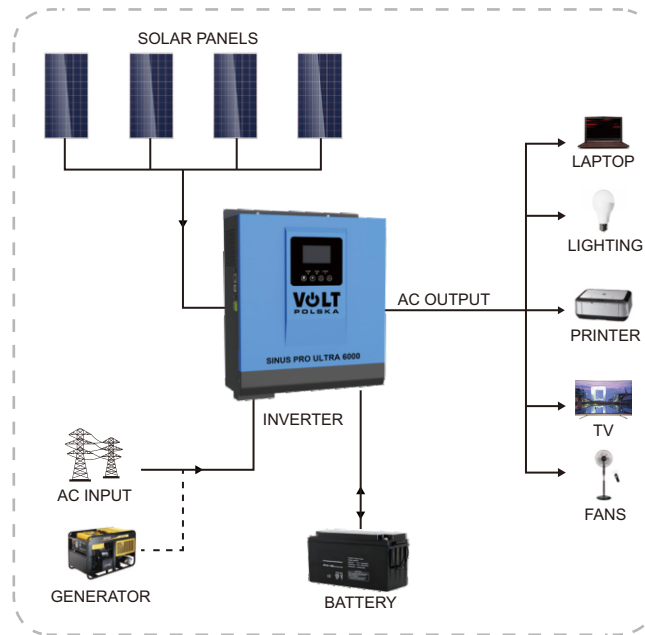
1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons



[SINUS PRO ULTRA 6000]

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

Solar system connection



Specification

MODEL		SINUS PRO ULTRA 6000
Default Battery System Voltage		24VDC
INVERTER OUTPUT	Rated Power	3000VA / 3000W
	Surge Power	6000VA
	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	24VDC
	Floating Charge Voltage	27.4VDC
	Overcharge Protection	30VDC
SOLAR CHARGER & AC CHARGER"	Maximum PV Array Open Circuit Voltage	145VDC
	PV Array MPPT Voltage Range	30~120VDC
	Standby Power Consumption	2W
	Maximum Solar Charge Current	60A
	Maximum Efficiency	98%
	Maximum AC Charge Current	20A or 30A
	Maximum Charge Current	80A
MECHANICAL SPECIFICATIONS	Machine Dimensions	290x342x118mm
	Gross Dimensions (Single Packaging)	425x390x215mm
	Net Weight	7,3kg
	Gross Weight (Single Packaging)	8,3kg
OTHER	Humidity	5% to 95% Relativ Humidity (Non-condensing)
	Operating Temperature	0°C~50°C
	Storage Temperature	-15°C -60°C