

# NDS SMART-IN SP1000-I Inverter IVT Pure Sine Wave 1000W



## Product description:

### NDS SMART-IN SP1000-I Inverter IVT Pure Sine Wave 1000W

The NDS SMART-IN SP1000-I pure sine wave inverter ensures the operation of electrical devices up to 1000W supplied by a 12 Vdc battery.

The NDS SMART-IN SP1000-I is a power inverter that converts direct current (DC) energy to alternating current (AC) energy. This inverter can provide continuous power of 1000 watts and peak power of 2500 watts, enabling it to power a variety of electronic devices.

With its ability to provide a pure sine wave, the NDS SMART-IN SP1000-I inverter is compatible with a wide range of sensitive consumers, including computers, laptops, home appliances, communication systems, electronic instruments, and more. You won't have to worry about damaging your devices due to unstable voltage or electrical noise.

The inverter has multiple output sockets, allowing you to connect multiple consumers at the same time. This gives you the flexibility to use several electronic devices without having to compromise on power quality.

Equipped with a range of protections, NDS SMART-IN SP1000-I ensures the safety of connected devices and the user. The inverter is designed to be compact and easy to use. It has standard alternating current (AC) outlets and USB outlets for connecting various devices.

The versatility of the NDS SMART-IN SP1000-I can be connected to batteries, solar panels, or other power generators to provide a stand-alone power solution in various situations, such as camping, road trips, or emergencies.

## IVT function

The **IVT** function is a range of inverters with a built-in **priority system** (Priority Switch type). This



special IVT function, through the two 230V input and output sockets, allows management of the voltage coming from the inverter connected to the battery and from the external grid. When the external grid (grid) is connected in the system, it will have priority so as to preserve the battery; when it is disconnected, the inverter will be supplied by the 230V output socket and the whole system connected to it.

### Protections

- Soft Start
- Overload and short-circuit protection
- Low battery alarm
- Reverse polarity protection
- Overtemperature protection

### TECHNICAL FEATURES NDS SMART-IN SP1000-I

Peak power: 2500 W

Continuous power: 1000 W

Waveform: Pure Sine Wave

Output voltage: 230 V

Output frequency: 50 Hz

Input voltage: 12 Vdc / 230 Vac

AC sockets: 1 x Schuko 230V 16A / USB 5V 2.1A

DC battery connection: M8 threaded screw

Operating ambient temperature: -20°C / 55°C

Cooling: Forced ventilation

Width: 262.4 mm

Length: 270 mm

Height: 107.5 mm

Are you looking for a product with different technical characteristics? [HERE](#) you can find the area dedicated to NDS inverters or those of other specialized brands.

The images and technical data are not binding and may be subject to revisions by the manufacturer.

### Product features:

Frequency (Hz): 50

Output voltage (V): 230

Length (mm): 265

Width (mm): 270

Height (mm): 107.5



Input voltage (V): 12 Vdc / 230 Vac

Kind of wave: Pure Sinusoidal

Continuous power (W): 1000