

Qoltec Pure Sine Wave UPS | 500VA/350W | 12/230V inverter with AVR | LCD | LiFePO4 AGM GEL

Product code: 52791

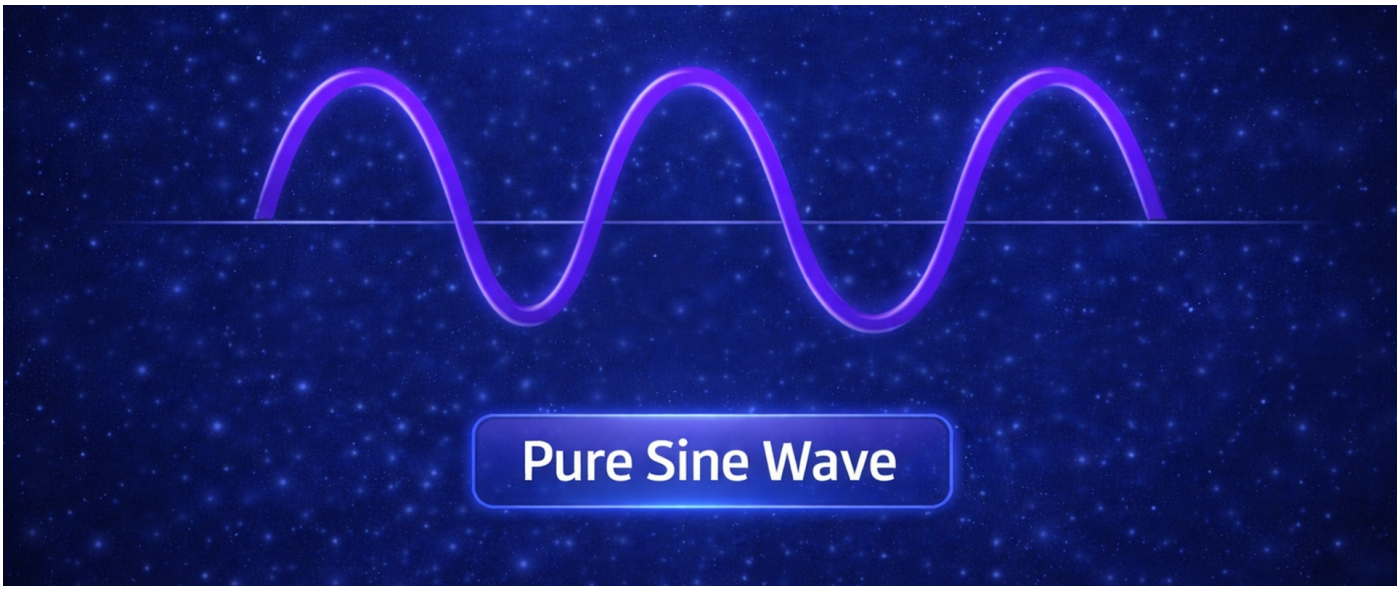
This pure sine wave emergency power supply is ideal as an emergency power source for central heating pumps, fireplace pumps, induction motors, building automation systems, heat convectors and other devices sensitive to voltage quality. It converts 12V DC from an external battery into 230V AC, whilst simultaneously recharging the battery. Its main advantage is the pure sine wave output voltage, which ensures the safe and stable operation of connected devices. Thanks to the use of AVR technology, the unit effectively stabilises the voltage, protecting equipment from the effects of fluctuations in the mains supply.;

DISCOVER THE STABILITY OF WORKING WITH QOLTEC'S 500VA PURE SINE WAVE UPS



Uninterrupted power supply for equipment such as CCTV systems, power tools and heating appliances
The Pure Sine Wave UPS **is a top-of-the-range product, manufactured from high-quality materials** . It is reliable in the event of a mains power failure. **It automatically switches to battery mode, thereby preventing a drop in power to connected devices**, allowing them to continue operating.
The Qoltec emergency power supply combines many functions, ensuring an uninterrupted power supply to devices such as:
- power tools,
- fans and blowers,
- gate monitoring and drives,
- LED lighting,
- central heating boilers and pumps.
It can also be used with many other **low-power** devices that require a continuous power supply **for extended periods.** Perhaps you can already picture the **Qoltec Pure Sine Wave 500VA 350W UPS** doing its job in your basement, workshop or garage, with a **battery** connected to it.

PURE SINE WAVE - HIGHEST QUALITY AND DEVICE SAFETY



Stable, clean, sinusoidal power without interference for complete protection of your equipment

The Qoltec Pure Sine Wave UPS provides a stable, **clean sine wave voltage** , making it ideal for use with equipment sensitive to power quality. It provides effective protection for central heating boilers, pumps, controllers, boiler room automation systems, monitoring equipment and other devices requiring continuous and safe operation. **Thanks to advanced double-conversion technology, the unit first converts the mains AC power into DC power, and then back into AC power, which effectively protects connected equipment from interference**

HOW LINE INTERACTIVE UPS WORKS



The built-in automatic voltage regulation circuit ensures constant voltage regulation

The UPS operates **based on a built-in AVR circuit** (Automatic Voltage Regulation). **This means that the supply voltage is automatically regulated** . If there is a drop or rise in voltage, the AVR system corrects it to a level close to the nominal value. The presence of such a solution in the UPS has a positive effect on the lifespan of the connected battery and ensures a constant voltage for the connected device. The use of AVR technology helps protect devices from the effects of voltage fluctuations and also extends the service life of the connected battery.

Automatic charging of the connected 12V battery

When connected to the 230V AC mains supply, **the power supply simultaneously powers the connected devices and recharges the battery**, ensuring the continuity of the emergency system's operation without the need for manual intervention. The device controls the charging process and maintains the battery in optimal operating condition, which improves its performance and service life.

COMPATIBILITY WITH ANY TYPE OF POWER SUPPLY



Line-interactive, pure sine wave, long runtime, 3-stage charging current selection and more
The Qoltec 500kVA UPS offers:
- long runtime,
- line-interactive – in the event of a power cut, the UPS switches to battery mode,
- high charging current,
- pure sine wave – the basis for safety and a guarantee of compatibility with any type of power supply,
- a modular CPU-controlled system,
- AVR function (automatic voltage regulator),
- a powerful high-power toroidal transformer and a specially designed circuit with high load capacity,
- double conversion – a power supply with stable parameters is provided.
- 3-stage charging current selection,
- effective heat dissipation,
- two output sockets.
Compatible with LiFePO4, AGM and GEL batteries
The Qoltec emergency power supply has been **designed to work with various types of 12V batteries** , allowing users to tailor the solution to their specific needs and the type of installation. **The device is compatible with popular battery types: LiFePO4, AGM, GEL**. The intelligent charging system helps maintain the correct operating parameters of the battery and supports its safe and efficient use.

STRAIGHTFORWARD AND READABLE – FOR YOUR CONVENIENCE



The integrated LCD display ensures intuitive operation and monitoring of the power supply's parameters
The clear LCD display enables intuitive operation and real-time monitoring of the device's key operating parameters . This gives the user a constant overview of the power supply's status, resulting in convenient, fast and safe use. **The LCD display and audible alarm provide information on, amongst other things:**
- input and output voltage levels,
- battery charge level,
- device overload,
- device operating mode,
- charging status,
- occurrence of errors or system alarms.

FULL PROTECTION OF CONNECTED DEVICES



High security standards ensure that connected devices are protected
The power supply has been designed in accordance with **all relevant standards and quality control systems** . Equipped with a range of safety features, **it guarantees full protection for connected devices**. By following the instructions in our manual, you can enjoy trouble-free operation of the device for many years to come.

TRUST CONFIRMED BY WARRANTY

This product comes with a 24-month warranty
Do you want to be sure of the high quality of the product you're buying? **Our solutions will meet your expectations** . Every Pure Sine Wave UPS we offer comes with a 24-month warranty valid from the date of purchase.

TECHNICAL DATA

Producer	Qoltec
Power	500VA / 350W
Wave form	Pure sine wave
Input parameters	
Input Voltage Range	147 - 275 VAC
Input frequency range	50Hz
Output parameters	
Output Voltage Range	230VAC
Output frequency	Battery mode : 50/60 Hz 1%; Mains mode: synchronized with input frequency
Transfer time	8ms
Efficiency	>97%
BATTERY PARAMETERS	
Built-in battery	**No**
Number of batteries	1
Battery voltage	12V
Charge Current (AC)	max.13A
OTHER PARAMETERS	
PFC	0.7
Output sockets	1 x FRENCH (Typ E CEE 7/5) 1 x SCHUKO (Typ F CEE 7/3)
Screen	LED
Noise level	<65 dB, at 1m distance at full load
Cooling system	1 x Fan
IP rating	IP20
Signalization	Failure mode, low battery voltage, overload, overheating, other errors
EAN code	5901878527918