



## Qoltec Pure Sine Wave UPS for RACK | 5kVA | 5000W | PF 1.0 | LCD | EPO | USB | Online | Compatible with LiFePO4, AGM and GEL batteries

Product code: 53939

The Qoltec UPS, designed for rack mounting, is ideal for use in server rooms, data centres, ICT systems and large-scale network installations. The unit provides a stable power supply with a constant output voltage and frequency, as well as a pure sine wave, effectively protecting even the most sensitive equipment. A power factor of 1.0 means that the unit's full apparent power of 5 kVA can be utilised as 5000W of active power.

### CHOOSE SAFE AND CLEAN ENERGY



It eliminates the risk of data loss and equipment failure caused by power cuts or voltage drops

The Qoltec RACK 5kVA 5000W UPS is the perfect solution for those who value the continuity of operation and security of their IT infrastructure. This modern online UPS **provides an uninterrupted power supply, eliminating the risk of data loss and equipment failure caused by power cuts or voltage drops**. With it, you can be sure that your servers and devices operate without interruption, ensuring operational stability and the security of your stored data.

## DISCOVER EXCELLENCE AT WORK WITH THE NEW 5KVA RACK UPS FROM QOLTEC

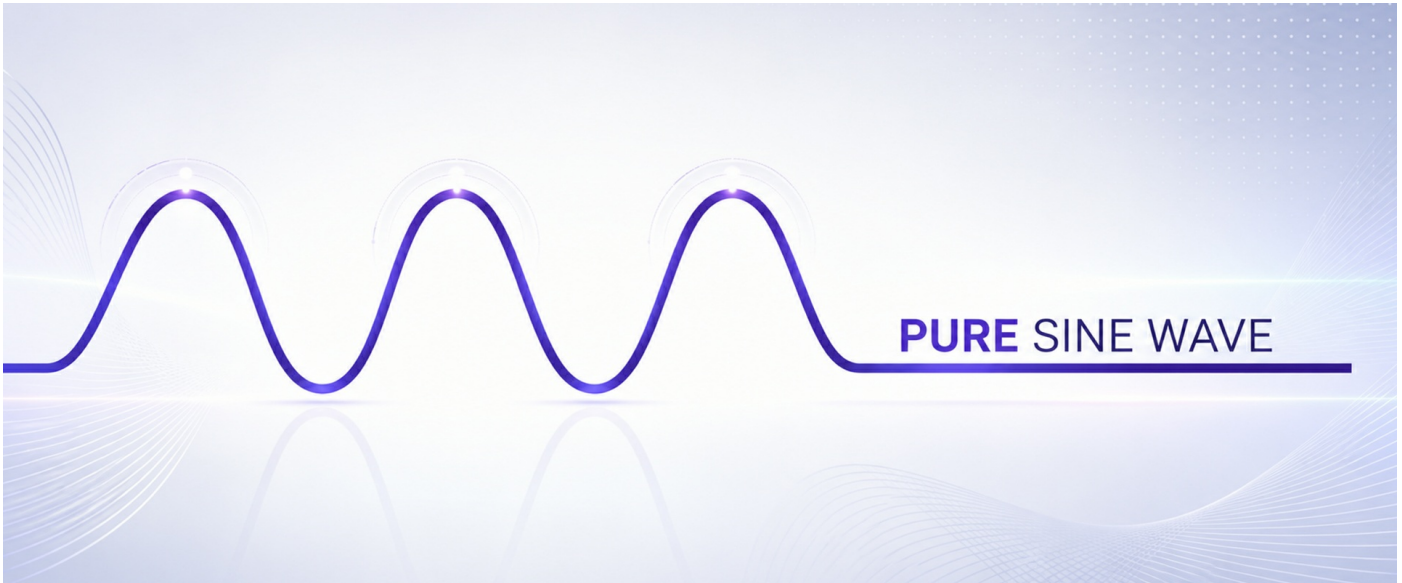


Power factor 1.0, zero switchover time, double conversion, ECO mode and more

The Qoltec RACK 5kVA UPS stands out for:

- **power factor of 1.0** – all the electrical power supplied is used to perform work, which is the optimal scenario for the energy efficiency of an electrical system,
- clean, **sinusoidal-waveform** power free from interference,
- **zero switchover time** – the speed at which the UPS switches to battery mode in the event of a power failure
- **protection against overload, short circuit and overheating,**
- **double conversion** – a power supply with stable parameters,
- **ECO mode** – ensures the best balance between energy saving and power protection,
- **extended runtime** – additional time during which the UPS will be able to independently power the devices connected to it in the event of a mains power failure,
- **True Isolation technology** – offers the most comprehensive power protection and the highest power quality for all IT applications,
- **built-in service bypass** – for trouble-free maintenance of the unit,
- **EPO interface** – a function enabling the power supply to be switched off remotely in emergency situations,
- **RS-232 port** – a communication bus designed for serial data transmission,
- **2 fans** – provide intensive cooling of the unit during continuous operation.

## PURE SINE WAVE - HIGHEST QUALITY AND SECURITY OF POWER SUPPLY FOR YOUR DEVICES



Stable, clean energy with a sinusoidal waveform and no interference, for complete protection of your equipment

Qoltec RACK UPS units provide **stable, interference-free, pure sinusoidal power**. They offer complete protection for your equipment, thanks to **double conversion**, which first converts the alternating current from the mains supply into direct current, and then back into alternating current, which **ensures the highest level of power quality and protects against potential mains disturbances such as voltage drops, power outages, surges and failures.**

## YOUR RELIABLE PARTNER IN KEEPING YOUR EQUIPMENT UP AND RUNNING



The devices can continue to operate for between a few and a dozen or so minutes

An online UPS has a power supply that is continuously processed; in the event of an unexpected drop in mains voltage, the UPS **maintains the operation of the connected device thanks to its built-in batteries**, which are continuously charged. Therefore, mains power is required solely for charging the batteries. Devices permanently connected to the UPS always receive clean, interference-free power drawn from the battery; consequently, **the output voltage of the online UPS will always remain constant**, regardless of the input voltage. The backup time for the equipment is **from a few to over ten minutes**, which allows data to be saved and the equipment to be shut down safely, minimising the risk of data loss and damage to the equipment.

## MANAGE YOUR POWER SUPPLY WITH EASE THANKS TO THE EASY-TO-READ LCD DISPLAY



The integrated LCD display ensures intuitive operation and monitoring of the power supply's parameters

Thanks to the integrated LCD display, managing the unit is intuitive and convenient. **The screen shows you up-to-date information on the operating status and key parameters of the power supply.** This ensures you stay informed about the unit's operation, enabling you to respond quickly to any issues and optimise its performance to suit your needs. Working with the power supply becomes easy, quick and reliable, allowing you to focus on your main tasks without worrying about the stability of the power supply.

## TRUST CONFIRMED BY WARRANTY



Product with 24 months guarantee

Do you value high-quality products when making a purchase? Our solutions will meet your expectations. Each of our offered on-line UPS RACK power supplies comes with a **warranty from the date of purchase.**

**24-month**

## TECHNICAL DATA

|                             |                                                                                                                                                                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Producer                    | Qoltec                                                                                                                                                                                                                                                                            |
| UPS type                    | On-line                                                                                                                                                                                                                                                                           |
| Power                       | 5000W                                                                                                                                                                                                                                                                             |
| Rated Power                 | 5kVA                                                                                                                                                                                                                                                                              |
| Wave form                   | Pure sine wave                                                                                                                                                                                                                                                                    |
| Rated voltage               | 230VAC                                                                                                                                                                                                                                                                            |
| Input voltage               | 110 – 300 VAC 5%                                                                                                                                                                                                                                                                  |
| Voltage range               | 110–160 VAC 3% przy obciążeniu 50%<br>160–300 VAC 3% przy obciążeniu 100%                                                                                                                                                                                                         |
| Output voltage              | 230VAC                                                                                                                                                                                                                                                                            |
| Output frequency            | 50/60Hz 0.05HZ                                                                                                                                                                                                                                                                    |
| Type of load device         | PC, servers                                                                                                                                                                                                                                                                       |
| Battery                     | Lithium or lead-acid (not included)                                                                                                                                                                                                                                               |
| Built-in battery            | No                                                                                                                                                                                                                                                                                |
| Battery set voltage         | 48VDC                                                                                                                                                                                                                                                                             |
| Battery charging current    | adjustable from 10A to 60A / 90% capacity in 1.5 hours                                                                                                                                                                                                                            |
| Power factor                | 1.0                                                                                                                                                                                                                                                                               |
| Crest factor                | 3:1                                                                                                                                                                                                                                                                               |
| Transfer time               | 0 ms (AC/battery mode), 4 ms (inverter/bypass), 8 ms (Eco mode/battery mode)                                                                                                                                                                                                      |
| Compatibility               | Windows XP/Vista/7/8/10/Linux/Unix/MAC                                                                                                                                                                                                                                            |
| Sockets                     | 1 x RS 232<br>1 x USB-B<br>1 x EPO                                                                                                                                                                                                                                                |
| Communication interface     | USB-B, RS-232, EPO                                                                                                                                                                                                                                                                |
| Screen                      | LCD                                                                                                                                                                                                                                                                               |
| Noise                       | 55dB                                                                                                                                                                                                                                                                              |
| Safety                      | - Overload protection<br>- Overvoltage protection<br>- Short circuit protection<br>- High and low voltage protection                                                                                                                                                              |
| Overload                    | Switching to bypass after 4ms                                                                                                                                                                                                                                                     |
| Additional information      | Power management via an SNMP manager<br>The option to connect several UPS units in parallel                                                                                                                                                                                       |
| Remarks                     | Network uninterruptible power supplies designed for telecommunications equipment and data processing hardware, commonly known as uninterruptible power supplies (UPS). In the event of a power failure, they provide a "reserve" of energy, thereby protecting against data loss. |
| OTHER PARAMETERS            |                                                                                                                                                                                                                                                                                   |
| Housing color               | Black                                                                                                                                                                                                                                                                             |
| Relative humidity           | 20 ~ 95% RH (without condensation)                                                                                                                                                                                                                                                |
| Storage temperature         | -15°C to +60°C                                                                                                                                                                                                                                                                    |
| Operating temperature       | 0°C ~ +55°C                                                                                                                                                                                                                                                                       |
| Dimensions (D/L x W x H)    | 420 x 440 x 88 mm                                                                                                                                                                                                                                                                 |
| Package contents            | 1 x UPS<br>1 x Cable set<br>1 x Software<br>1 x User manual                                                                                                                                                                                                                       |
| Package depth / length [mm] | 560                                                                                                                                                                                                                                                                               |
| Package width [mm]          | 550                                                                                                                                                                                                                                                                               |

|                     |               |
|---------------------|---------------|
| Package height [mm] | 178           |
| Net weight [kg]     | 10.56         |
| Gross weight [kg]   | 12.07         |
| Certificate         | CE, ROHS      |
| Warranty            | 24 months     |
| EAN code            | 5901878539393 |