

# Qoltec Uninterruptible Power Supply UPS 3-phase | 15kVA | 12kW | LCD

**Product code: 53949**

The advanced **3-phase industrial UPS by Qoltec** is built in an online topology with a power rating of 15kVA. It will provide clean electrical energy with a sinusoidal waveform and ensure the safety of connected devices against all typical network issues. It will meet the requirements of anyone who wants to maintain control independently of fluctuations in the mains power supply.

To ensure backup power supply, an **additional battery module is required.**

The option to install a compatible SNMP module is available with product code **50390**.

## TRIPLE LEVEL OF EFFICIENCY

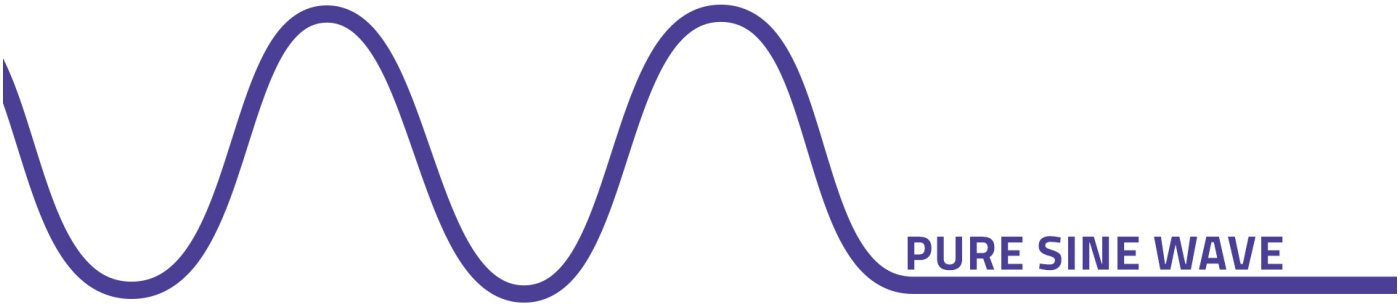


The presented UPS model is equipped with a **three-level inverter topology**, ensuring **high efficiency in linear mode as well as in ECO mode**. This advanced industrial UPS delivers clean electrical power with a sinusoidal waveform and guarantees **safety for all connected devices**. If you are looking for a device for special tasks, you are in the right place.
**Three-phase On-line UPS** units are designed for electrical devices (industrial machines, motors) typically requiring **high power and three-phase power supply from the electrical grid**. Furthermore, with their help, you can also protect **three separate power lines (3 phases)** if each of these phases is subjected to similar loads.

## PURE SINE WAVE - THE HIGHEST QUALITY AND SAFETY FOR POWERING YOUR DEVICES




Qoltec brand on-line UPS power supplies provide **stable, disturbance-free, pure energy with a sinusoidal waveform** . This offers complete protection for your devices through **double conversion**, which first converts the alternating current from the mains supply into direct current, and then back into alternating current, **ensuring the highest level of power quality and safeguarding against potential network disturbances such as voltage drops, power outages, surges, and failures**.



## RELIABLE POWER CARE




Your top priority is to find a **device designed for professional applications** ? The Qoltec 3-phase UPS is perfect for any environment where **the highest reliability is required** , such as in the electronics industry, medical centers, server rooms, military facilities, offices, but they also work perfectly in households to power fans or lights . This way, **you don't have to worry** about power outages that could cause serious damage to equipment or spaces where **a continuous power supply must be guaranteed without interruption**
It is worth emphasizing that the presented model is equipped with an **Emergency Power Off (EPO) module** for emergency **deactivation of the UPS power supply in the event of fire-related incidents**. The device allows for remote reception of the trigger signal to cut off power transfer to the connected electrical equipment installation. The **use of the Emergency Power Off module** enhances system responsiveness, isolates the installation, and **ensures user safety in crisis situations.**

## HOW DOES AN ON-LINE UPS WORK?



An on-line UPS continuously processes voltage, and in the event of an unexpected drop in network voltage, the **power supply sustains the operation of the connected device through built-in batteries**, which are constantly recharged. Therefore, power from the network is only required for recharging the batteries. Devices permanently connected to the UPS will always receive clean, disturbance-free power drawn from the batteries, which is why **the output voltage of the on-line UPS will always remain constant** , regardless of the input voltage. The runtime of the devices is **several to several dozen minutes, providing enough time to save data and safely shut down the equipment**.

## A SOLUTION WORTH YOUR ATTENTION



Qoltec UPS 3-phase 15kVA UPS:
- clean energy with a **sinusoidal waveform**, free from disturbances,
- **zero switchover time**, which is the speed at which the UPS switches to battery mode in the event of a power outage,
- **protection against overloads, short circuits, and overheating,**
- **double conversion**, providing stable power parameters,
- **cold start -** a very useful feature **-** in the event of a power outage, you can start a device, such as a computer, by connecting it directly to the UPS. This allows you to quickly, for example, copy important files to a USB drive or send an important email at any time,
- **built-in Service Bypass -** for seamless device maintenance,
- the option to install an **SNMP card or connect an SNMP adapter** , a network management standard for gathering information about connected devices and configuring their parameters (compatible SNMP module: product code **50390**),
- **RS-485 port -** is used for data transmission between multiple devices and enables the creation of networks connecting many devices,
- **RS-232 port and RS-232 cable -** a communication interface designed for serial data transmission,
- **EPO port -** allows for emergency power shutdown,
- **two fans -** provides intensive cooling for the device during continuous operation.

## CLEAR LCD DISPLAY




The LCD display ensures **easy device management**. You receive real-time information about the status and parameters, making working with the power supply easy, fast, and reliable.

## TRUST CONFIRMED BY WARRANTY



Do you care about the high quality of the product you buy? **Our solutions will meet your expectations.** Each of the 3-phase UPS units we offer is covered by a 24-month warranty valid from the date of purchase.

## TECHNICAL DATA

| | |
|---|---|
| Producer | Qoltec |
| UPS type | On-line |
| Power | 12kW |
| Rated Power | 15kVA |
| Wave form | Pure sine wave |
| Input voltage | 380VAC 25% |
| Voltage range | Input phase: Three phases + N + G<br>Soft start: 0 - 100% , 5 seconds<br>Output Phase: Three phase + N + G<br>Dynamic voltage transients: < 5%<br>Instantaneous regeneration time: < 10ms<br>Load voltage balance: < 1%; < 5% (load voltage imbalance) |
| Output voltage | Output voltage: 380 VAC 1% (steady state load); 380 VAC 5% (under load) |
| Input frequency range | 50Hz 10% |
| Output frequency | Output Frequency: 50Hz 0.05%, 60Hz 0.05% (battery powered) |
| Type of load device | Industrial and motor machinery |
| Built-in battery | **No** |
| Number of batteries | 32 |
| Battery voltage | 12V |
| Battery set voltage | 384VDC |
| Battery charging current | 1 A - 40 A |
| Power factor | 0.8 |
| Crest factor | 3:1 |
| Sockets | 1 x RS - 485<br>1 x RS - 232 (also possible communication using the USB-RS232 adapter included in the set)<br>1 x EPO |
| Screen | LCD |
| Noise | 50dB |

| | |
|---|---|
| Usage | Service and motor machines. |
| Safety | - Overload protection<br>- Overvoltage protection<br>- Short circuit protection<br>- High and low voltage protection |
| Overload | 125% : 1 minute, 150% : 1 second |
| Additional information | - the possibility of connecting a compatible SNMP module: product code 50390<br>- converter efficiency> 91%<br>- built-in AVR stabilizer<br>- soft start: 0 - 100% , 5 seconds<br>- input phase: Three phases + N + G<br>- output phase: Three phase + N + G<br>- dynamic voltage transients: < 5%<br>- instantaneous regeneration time: < 10ms<br>- load voltage balance: < 1%; < 5% (load voltage imbalance) |
| 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 |
| Environment humidity | 30-90% |
| Operating temperature | 0°C ~ +40°C |
| Dimensions | |
| Dimensions (D/L x W x H) | 655 x 405 x 815 mm |
| Package contents | - UPS<br>- USB adapter<br>- RS-232 cable<br>- CD<br>- Key to open the front panel<br>- User manual |
| Package depth / length [mm] | 540 |
| Package width [mm] | 790 |
| Package height [mm] | 980 |
| Net weight [kg] | 145 |
| Gross weight [kg] | 146 |
| Certificate | CE, ROHS |
| Warranty | 24 months |
| EAN code | 5901878539492 |