



General Characteristics

- On-line sinusoidal double conversion
- Low harmonic distortion.
- High MTBF.
- Any input or output voltage (single-phase or three-phase).
- Input and / or output frequencies: 50, 60 o 400 Hz.
- Local & remote control, signaling and alarms.
- Standard autonomy 10 minutes. Possibility up to 72 hours
- Digital control through DSP and CPLD
- Maintenance-free Pb or Ni-Cd battery
- Operation panel with measurements, alarms, states, historical events, settings.
- Modbus, Profibus, TCP / IP via RS-232/485, Ethernet communication.

General description

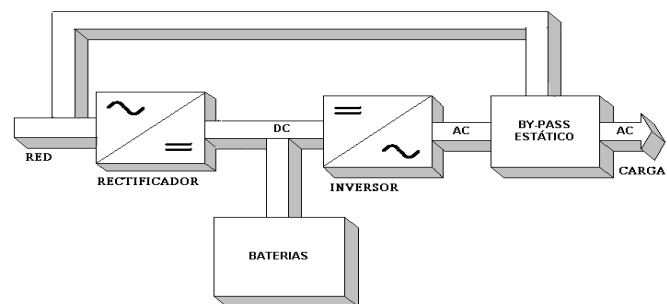
Uninterrupted power supply systems will In case of failure of the main network the supply of the loads are used in all those processes where it is maintained with energy stored in batteries or from the path requires a reliable, quality and bypass auxiliary power supply.

Available at all times essential for the A UPS consists of Rectifier, Inverter, Charger, Batteries and protection of certain equipment, loads or critical data. In the event of a main network fault, the supply of loads is kept with energy stored in batteries or from the bypass auxiliary path.

Our equipment - customized for the needs of each application, are used Different areas, such as:

- Industry
- Naval sector
- Airports
- Railways
- Power plants
- Isolated power supply installations

SUPs protect from as many irregularities that can occur in the network due to cut-off, micro-cuts, surges, frequency variations, transient current peaks and noises, achieving a perfect cleaning of the sine wave output.



Our systems have the latest technology control unit capable of achieving maximum performance, control and security of your installation.

*Supsonik S.L. Offer customized development with special features and adapted to your needs.
For further information, please contact the manufacturer.*

Power Range	1 kVA – 500kVA
Input	Single-Phase or Three-Phase
Nominal input voltage AC	110/230/400/440/690 V +15%-20%
Frequency	50/60/ 400Hz± 5%
Rectifier Topology	IGBT / from 6 to 36 pulses / Magnetic waveform
THD	<3
Output	Single-Phase or Three-Phase
AC output current voltage	110/230/400/440/690 V ± 1%
Frequency	50/60/400 Hz ± 0,05%
Voltage adjustment	± 5% Vn
Inverter Topology	IGBT with harmonic elimination control.
Voltage static voltage (load variation 10 ÷ 90%)	± 1%
Voltage dynamic stability (load variation 10 ÷ 90%)	± 2% with reset time 5ms
Waveform	Sine-wave
Peak factor	3:1 standard
Total Harmonic Distortion (THD)	1% linear load, 3% non-linear load
Performance	85-95% depending on power
Converter type	VSC (Voltage source converter)
Galvanic isolation	Yes
Overload	125% @1min / 150% @ 10s
Static by-pass	Si
Inverter-network-inverter transfer time	0 ms
Manual By-Pass	Yes
Batteries	hermetic Pb, Ni-Cd or other

Options

Switchgear, switching or manoeuvre Parallel operation, redundant.
 Adaptation to any standard, certification, regulation, directive Bypass
 isolation transformer

ENVIRONMENTAL CHARACTERISTICS

Working temperature	-10°C to 45°C
Storage temperature	-25°C to 65°C
Relative humidity	15% to 95% with no condensation
Altitude	1500 m (s.n.m.)

DIMENSIONS AND WEIGHT

Execution	Cabinet / Box / Interior rack / Outdoor
Protection degree	IP21 (optional up to IP54)
Colour	RAL 7032 standard

USER INTERFACE

- Operation panel with display, measurements, alarms, states, event history, settings.
- Modbus, Profibus, TCP / IP via RS-232/485, Ethernet communication.

* All the above features can be adapted on demand.