ITYS

Reliable and versatile power protection from 1 to 20 kVA

High protection and availability
- True online double conversion technology (VFI) assures high availability and total load protection.
- Constant output voltage and frequency regulation makes ITYS compatible with different applications, operating environments and generator sets.
- Automatic bypass supplies the loads in the event of overloads or faults.

Robust and versatile
- Compact tower UPS system saves space in the operating environment.
- No particular configuration on first startup.
- Easy connections via IEC 320 sockets or terminals.
- Wide input voltage tolerance limits the switchovers to battery mode prolonging the battery life.
- Manual bypass for periodic or emergency maintenance.

Wide battery configurability
- Flexible battery management available for all ITYS models to ensure power supply continuity in the event of an outage.
- Modular battery extension meets a wide variety of power back-up times according to the load to be supplied.
- Modular battery extension enables limitless increases in autonomy, even after installation.
- Powerful battery charger models guarantee constant and reliable operation using external high capacity batteries, therefore providing supply continuity during long outages.

The solution for
- Professional workstations
- Server and corporate networks
- Storage systems
- Industrial automation
- Security systems
- Telecom systems

Technology
- VFI "online double conversion"

Certifications
- RoHS Compliant

Autonomy configurations
- Flexible autonomy
- Extendable autonomy
- Long autonomy

Some models may not be available in your country – please check with your local sales office.
Robust and versatile
High protection and availability
Manual bypass for periodic or emergency
Wide input voltage tolerance limits the
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• Automatic bypass supplies the loads in the
Constant output voltage and frequency
• True online double conversion technology
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terminals.
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all ITYS models to ensure power supply
and with powerful

**Certifications**

- UPS without internal batteries
- UPS with internal batteries

**Connections**

1. USB serial port
2. RS232 serial port
3. EPO (Emergency Power Off)
4. Dry contact interface (DB9)
5. Slot for optional communication boards
6. Manual bypass
7. Input protection (thermal breaker)
8. Battery fuse holder
9. Castor wheel with security lock
10. Input, output and external battery terminal board
11. Connection for modular battery extension
12. Output sockets (IEC 320)
13. Input protection
14. Input socket (IEC 320)
15. Output terminals

(1) Dry contact interface or WEB/SNMP network adapter.

**Technical data**

<table>
<thead>
<tr>
<th>UPS</th>
<th>ITYS - UPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sn</td>
<td>1000 VA</td>
</tr>
<tr>
<td>Pn</td>
<td>800 W</td>
</tr>
<tr>
<td>Input/output</td>
<td>1/1</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>230 V (110÷300 V)</td>
</tr>
<tr>
<td>Rated frequency</td>
<td>50/60 Hz x10% (Auto-Selectable) 90 Hz x 10% (Auto-Selectable)</td>
</tr>
<tr>
<td>Power factor</td>
<td>0.98</td>
</tr>
<tr>
<td>OUTPUT</td>
<td></td>
</tr>
<tr>
<td>Rated voltage</td>
<td>206 / 220 / 230 / 240 V (± 2 %)</td>
</tr>
<tr>
<td>Rated frequency</td>
<td>50/60 Hz (± 1 % in battery mode) 50/60 Hz (± 0.2 Hz in battery mode)</td>
</tr>
<tr>
<td>Overload</td>
<td>Up to 150% for 10 seconds</td>
</tr>
<tr>
<td>Crest factor</td>
<td>3:1</td>
</tr>
<tr>
<td>Connections</td>
<td>3 x IEC 320 (C13) + IEC 320 (C13) + IEC 320 (C13) + terminals terminals</td>
</tr>
</tbody>
</table>

**BATTERIES**

Type: sealed lead-acid maintenance free - expected life 3/5 years
Voltage: 36 V DC 96 V DC 240 V DC 298 V DC
Back-up time (h) (2)
Battery charger (A) 8 A 4 A 4 A

**COMMUNICATION**

- Ethernet adapter: NET VISION (TCP/IP & SNMP) optional card
- Local communication software: Local View

**EFFICIENCY**

Online mode: up to 91% up to 94%
Ambient service temperature: 0 °C to +40 °C (15 °C to 25 °C for maximum battery lifetime)
Relative humidity: < 95% non-condensing
Maximum altitude: 1000 m without de-rating
Noise level at 1 m: < 50 dBA < 55 dBA

**UPS CABINET**

Dimensions W x D x H (mm): 145 x 400 x 220 192 x 460 x 347 280 x 550 x 738 350 x 650 x 890
Weight (models with internal batteries): 13 kg 31 kg 80 kg 84 kg 127 kg 185 kg
Weight (models without internal batteries): 7 kg 13 kg 25.5 kg 29.5 kg 48 kg 58 kg
Degree of protection: IP20

**STANDARDS**

Safety: EN/IEC 62040-1, AS 62040.1.1, AS 62040.1.2
EMC: EN/IEC 62040-2, AS 62040.2
Performance: EN/IEC 62040-3 (efficiency tested by an external independent body)
Product declaration: CE, GOST R 52736

Advanced communication

- Wide range of communication protocols available as options (including JBUS, TCP/IP and SNMP for integration into LAN networks or building management systems (BMS)).
- RS232 advanced connection for the management of power supply and local/remote shutdown of the applications with Windows®, Linux and Mac OS X® systems.
- USB port for direct interfacing with Windows® and Mac OS X® systems.
- Clear and uncluttered LCD interface for easy UPS monitoring, even for less specialist users.

**Local and IP network management solutions**

- LOCAL VIEW: ideal point-to-point software for UPS monitoring and shutdown of Windows®, Linux and Mac OS X® operating systems (standard for all models).
- NET VISION: professional network adapter for monitoring and controlling UPS units from a remote location (option for all models).

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