**ITYS**

Reliable and versatile power protection from 1 to 10 kVA

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**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.

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

**Technology**
- VFI “online double conversion”

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**Certifications**

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**Autonomy configurations (1/1 models)**
- Flexible autonomy
- Extendable autonomy
- Long autonomy
Robust and versatile
High protection and availability
Manual bypass for periodic or emergency
Wide input voltage tolerance limits the

Easy connections via IEC 320 sockets or
No particular configuration on first startup.

Compact tower UPS system saves space in
Automatic bypass supplies the loads in the

Constant output voltage and frequency
True online double conversion technology

Single-phase UPS
maintenance.
switchovers to battery mode prolonging the

variety of power back-up times according to
all ITYS models to ensure power supply

from 1 to 10 kVA

Reliable and versatile power protection

Wide battery configurability
Powerful battery charger models guarantee

Modular battery extension enables
Modular battery extension meets a wide

Flexible battery management available for

Long autonomy
Extendable autonomy
Flexible autonomy
Telecom systems
Storage systems
Server and corporate
Professional workstations
UPS without internal batteries
UPS with

Battery charger(3) + battery extension + cabinet

Automation configurations
COMPLIANT to RoHS

Technical data

<table>
<thead>
<tr>
<th></th>
<th>ITYS 1 kVA</th>
<th>ITYS 2 kVA</th>
<th>ITYS 3 kVA</th>
<th>ITYS 6 - 10 kVA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sn</td>
<td>1000 VA</td>
<td>2000 VA</td>
<td>3000 VA</td>
<td>10000 VA</td>
</tr>
<tr>
<td>Pf</td>
<td>0.98</td>
<td>0.98</td>
<td>0.99</td>
<td>0.99</td>
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<tr>
<td>INPUT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated voltage</td>
<td>230 V (110-300 V)</td>
<td>230 V (110-260 V)</td>
<td>400 V (230 V)</td>
<td></td>
</tr>
<tr>
<td>Rated frequency</td>
<td>50/60 Hz ±10% (Auto-Selectable)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OUTPUT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated voltage</td>
<td>288 / 220 / 240 V ± 2 %</td>
<td>288 / 220 / 240 V ± 1 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated frequency</td>
<td>50/60 Hz ± 0.2 Hz (in battery mode)</td>
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<tr>
<td>Overload</td>
<td>Up to 150 % for 10 seconds</td>
<td>Up to 150 % for 1 minute</td>
<td>Up to 150 % for 10 seconds</td>
<td></td>
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<tr>
<td>Crest factor</td>
<td>3.1</td>
<td>3.1</td>
<td>3.1</td>
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<tr>
<td>Connections</td>
<td>3 x IEC 320 (C13)</td>
<td>6 x IEC 320 (C13)</td>
<td>4 x IEC 320 (C13)</td>
<td>terminals</td>
</tr>
<tr>
<td>BATTERIES</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>sealed lead-acid maintenance free - expected life 3/5 years</td>
<td></td>
<td></td>
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<tr>
<td>Voltage</td>
<td>36 V DC</td>
<td>96 V DC</td>
<td>240 V DC</td>
<td>288 V DC</td>
</tr>
<tr>
<td>Back-up time(2)</td>
<td>10 min</td>
<td>17 min</td>
<td>9 min</td>
<td>13 min</td>
</tr>
<tr>
<td>Battery charger(2)</td>
<td>8 A</td>
<td>4 A</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>COMMUNICATION</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Interfaces</td>
<td>RS232 - USB</td>
<td>RS232 - USB - Dry contact</td>
<td>RS232 - USB</td>
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<tr>
<td>Ethernet adapter</td>
<td>NET VISION (TCP/IP &amp; SNMP) optional card</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local communication software</td>
<td>Local View</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>EFFICIENCY</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Online mode</td>
<td>up to 91 %</td>
<td>up to 94 %</td>
<td></td>
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<tr>
<td>ENVIRONMENT</td>
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</tr>
<tr>
<td>Ambient service temperature</td>
<td>0 °C to +40 °C (15 °C to 25 °C for maximum battery lifetime)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative humidity</td>
<td>&lt; 95 % non-condensing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum altitude</td>
<td>1000 m without de-rating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise level at 1 m</td>
<td>&lt; 50 dB</td>
<td>&lt; 55 dBA</td>
<td></td>
<td></td>
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<tr>
<td>UPS CABINET</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions (W x D x H (mm)</td>
<td>145 x 400 x 220</td>
<td>192 x 400 x 347</td>
<td>265 x 535 x 708</td>
<td>350 x 650 x 890</td>
</tr>
<tr>
<td>Weight (models with internal batteries)</td>
<td>13 kg</td>
<td>31 kg</td>
<td>80 kg</td>
<td>84 kg</td>
</tr>
<tr>
<td>Weight (models without internal batteries)</td>
<td>7 kg</td>
<td>13 kg</td>
<td>25.5 kg</td>
<td>29.5 kg</td>
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<tr>
<td>Degree of protection</td>
<td>IP20</td>
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</table>

Standards

Safety: IEC-EN 62040-1, AS 62040.1.1, AS 62040.1.2
EMC: IEC/EN 62040-2, AS 62040.2
Performance: IEC/EN 62040-3 (efficiency tested by an external independent body)
Product declaration: CE, RCM EC 03763

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).

1) 97.5 % of rated load (models with internal batteries) PF 0.7
2) Models with internal batteries
3) Models without batteries
4) Dry contact interface or WEB/SNMP network adapter.