

ITYS E

Affordable and reliable protection

from 1 to 10 kVA



The solution for

- > Professional workstations
- > Industrial automation
- > Security systems
- > Telecom systems
- > Banking ATM systems

Technology

> VFI "online double conversion"





Best electrical protection

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

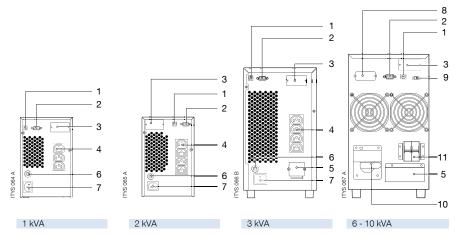
Robust and versatile

- 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.





Connections



- 1. USB serial port
- 2. RS232 serial port
- 3. Slot for optional boards
- 4. Output sockets
- 5. Output terminals
- 6. Input protection
- 7. Input socket
- 8. External battery connection
- 9. EPO (Emergency Power Off)
- 10. Manual bypass
- 11. Input circuit breaker

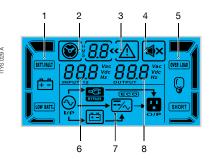
Technical data

| | ITYS E | | | | |
|---|---|-----------------|-------------------------|-----------------|-----------------|
| Sn (VA) | 1000 | 2000 | 3000 | 6000 | 10000 |
| Pn (W) | 800 | 1600 | 2400 | 4800 | 8000 |
| INPUT | | | | | |
| Voltage | 230 V (1ph) 160÷300 V up to 110 V @ 60% load | | | | |
| Rated frequency | 50/60 Hz | | | | |
| Power factor | 0.99 | | | | |
| OUTPUT | | | | | |
| Rated voltage | 208/220/230/240 V | | | | |
| Voltage tolerance | ± 1% | | | | |
| Rated frequency | 50/60 Hz (46÷54 Hz / 56÷64 Hz) (in battery mode 50/60 ± 0.1 Hz) | | | | |
| Overload | Up to 130% for 1 minute | | | | |
| Crest factor | | 3:1 | | terminals | |
| Connections | 3 x IEC 320 | 4 x IEC 320 | 4 x IEC 320 + terminals | term | inals |
| BATTERIES | | | | | |
| Туре | sealed lead-acid maintenance free - expected life 3/5 years | | | | |
| Back-up time @75% of rated VA load pf 0.7 ⁽¹⁾ | | 8 min | | 9 min | |
| Voltage ⁽²⁾ | 36 VDC | 96 VDC | | 192 VDC | 240 VDC |
| Battery charger(2) | Setting up to 6 A | | | | |
| COMMUNICATION | | | | | |
| Interfaces | RS232 - USB | | | | |
| Local communiaction software | LOCAL VIEW | | | | |
| EFFICIENCY | | | | | |
| Online mode | up to 90% | | | | |
| ENVIRONMENT | | | | | |
| Ambient temperature | 0 to 40°C (15 to 25 °C for maximum battery life) | | | | |
| Relative humidity | 0 to 95% without condensation | | | | |
| Maximum altitude | 1000 m without derating | | | | |
| Noise level at 1 m | < 55 dBA | | | < 59 dBA | |
| UPS CABINET | | | | | |
| Dimensions ⁽¹⁾ W x D x H (mm) | 145 x 285 x 220 | 145 x 400 x 220 | 190 x 425 x 320 | 190 x 370 x 640 | 190 x 450 x 640 |
| Weight ⁽¹⁾ (kg) | 10 | 17 | 28 | 60 | 75 |
| Dimensions ⁽²⁾ W x D x H (mm) | 145 x 285 x 220 | 145 x 400 x 220 | 145 x 400 x 220 | 190 x 370 x 320 | 190 x 450 x 320 |
| Weight ⁽²⁾ (kg) | 5 | 7 | 8 | 12 | 16 |
| 0 (0) | 3 | ī | IP20 | 12 | 10 |
| Degree of protection STANDARDS | | | IFZU | | |
| Safety | | | EN 62040-1 | | |
| FMC | EN 62040-1 EN 62040-2 | | | | |
| Product declaration | CF | | | | |
| (1) Models with internal batteries. | | | OL . | | |

(1) Models with internal batteries.

(2) Models without batteries.

Control panel



- 1. Battery level / Battery status
- 2. Back time info
- 3. General Alarm
- 4. Buzzer off
- 5. Load level / Load status
- 6. Input value
- 7. UPS mode
- 8. Output value

Standard communication features

- LOCAL VIEW: ideal UPS monitoring and shutdown point-to-point solution for Windows®, Linux and Mac OS X® operating systems.
- HID: UPS management based on Windows® and Mac OS X® embedded service - USB interface.

Communication options

• Dry-contact card for UPS remote diagnostic (ITY-E-OP-REL).













