



ITYS E

Affordable and reliable protection
from 1 to 10 kVA

Single-phase UPS



ITYS 068 A - ITYS 070 A - ITYS 071 A

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.

The solution for

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

Technology

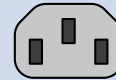
- > VFI "online double conversion"

Certifications

IS 16242 (Part 1)/
IEC 60240-1



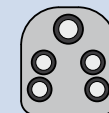
Output connections



- > IEC socket 320 (C13)



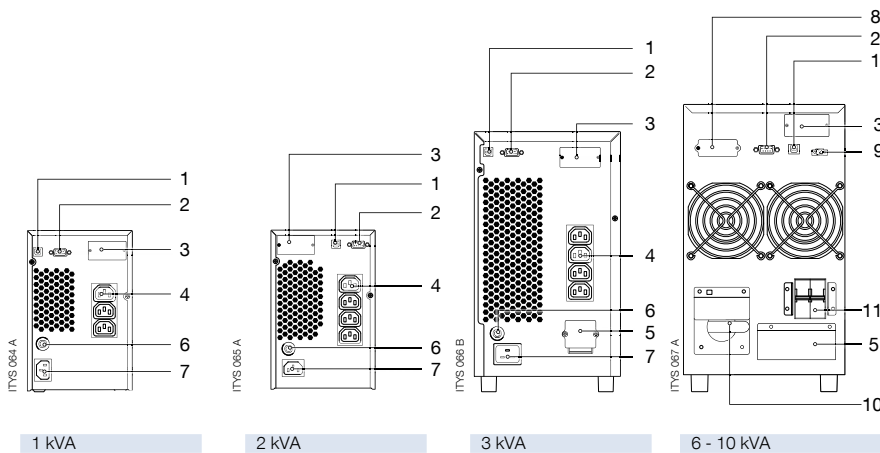
- > Universal socket



- > Indian standard (BIS compliant)

Some models may not be available in your country – please check with your local sales office.

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

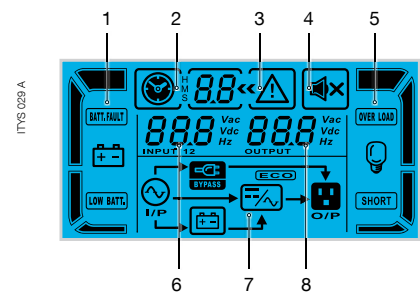
Technical data

| 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 | | | | |
| CONNECTIONS | | | | | |
| IEC standard | 3 x IEC 320 | 4 x IEC 320 | 4 x IEC 320 + terminals | terminals | |
| Universal standard | 2 sockets | 2 sockets | 2 sockets + terminals | terminals | |
| Indian standard | 3 sockets | 4 sockets | 4 sockets + terminals | terminals | |
| BATTERIES | | | | | |
| Type | 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 communication 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 | | < 65 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 |
| Degree of protection | IP20 | | | | |
| STANDARDS | | | | | |
| Safety | EN 62040-1 | | | | |
| EMC | EN 62040-2 | | | | |
| Product declaration | CE | | | | |
| BIS certification | R-41030651 | | | | |

(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.