



ITYS E

Affordable and reliable protection
from 1 to 10 kVA

Single-phase UPS



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 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

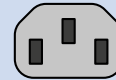
- > VFI "online double conversion"

Certifications

IS 16242 (Part 1)/
IEC 60240-1



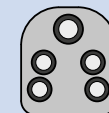
Output connections



- > IEC socket 320 (C13)



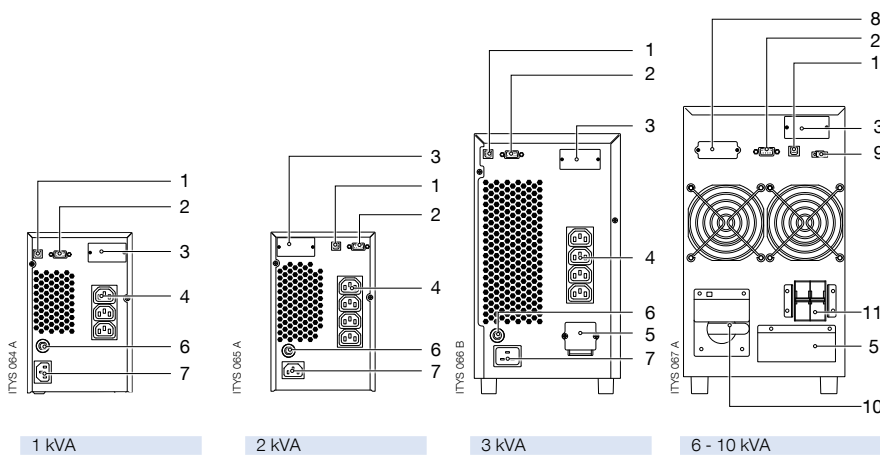
- > Universal socket



- > 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

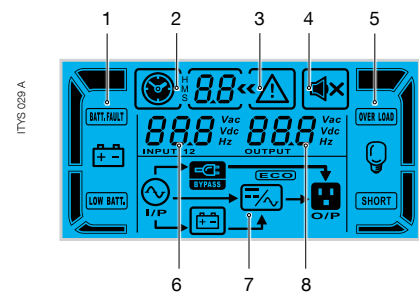
ITYS E					
Sn (VA)	1000	2000	3000	6000	10000
Pn (W)	800	1600	2400	4800	8000
INPUT					
Voltage	230 V (1ph) 160÷300 V up to 110 V @ 60% load				
Rated frequency	50/60 Hz				
Power factor	0.99				
OUTPUT					
Rated voltage	208/220/230/240 V				
Voltage tolerance	± 1%				
Rated frequency	50/60 Hz (46÷54 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		< 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
Degree of protection	IP20				
STANDARDS					
Safety ⁽³⁾	EN 62040-1				
EMC ⁽³⁾	EN 62040-2				
Product declaration ⁽³⁾	CE				
BIS certification	R-41030651		R-41120790		

(1) Models with internal batteries.

(2) Models without batteries.

(3) Models with IEC output sockets.

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

- LCD or User-friendly 7" touch-screen multilingual graphic colour display.
- 1 slot for communication options.
- USB port for UPS management based on HID protocol.
- MODBUS RTU (RS232).
- LOCAL VIEW software for local UPS monitoring and shutdown for Windows, Linux and MAC Osx.

Communication options

- Dry-contact interface.
- Ethernet interface for UPS monitoring via WEB pages.