



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

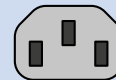
- > VFI "online double conversion"

Certifications

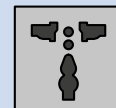
IS 16242 (Part 1)/
IEC 60240-1



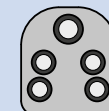
Output connections



- > IEC socket 320 (C13)



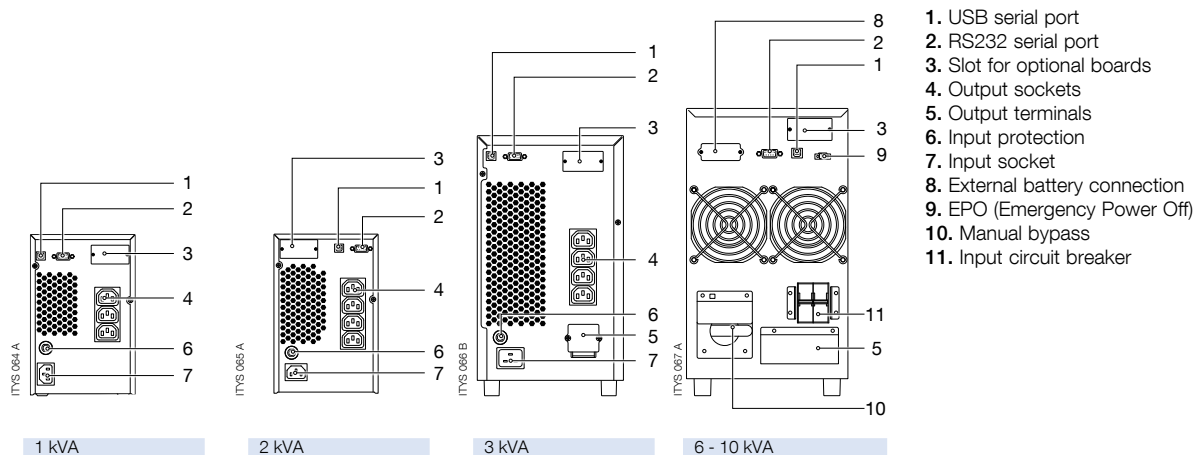
- > Universal socket



- > Indian standard (BIS compliant)

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

Connections



Technical data

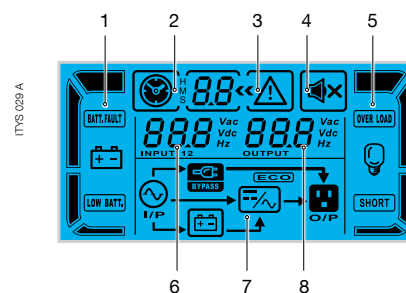
ITYS E					
Sn (VA)	1000	2000	3000	6000	10000
Pn (W)	800	1600	2400	4800	8000
INPUT					
Voltage	230 V (1ph) 160÷300 V up to 110 V @ 60% load				
Rated frequency	50/60 Hz				
Power factor	0.99				
OUTPUT					
Rated voltage	208/220/230/240 V				
Voltage tolerance	± 1%				
Rated frequency	50/60 Hz (46÷54 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

- User-friendly multilingual interface with graphic 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.