

Seamless Power Backup for Critical Operations

INDUSTRIAL UPS

1Ø-1Ø 3KVA-10KVA

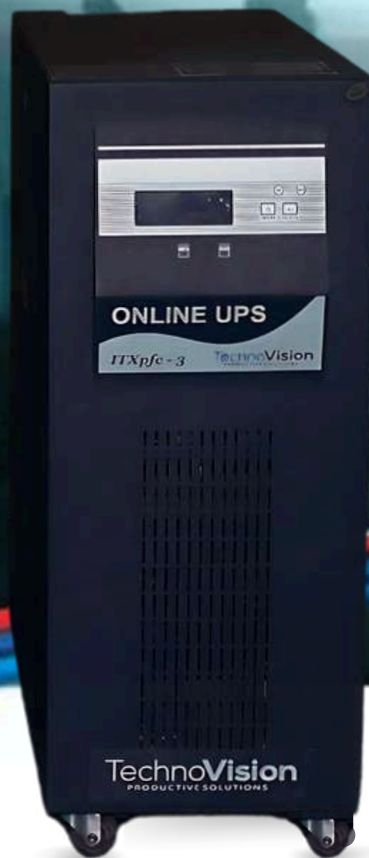


~AC⚡DC~
POWER SOLUTIONS



Features

- Rugged Industrial Design
- Near Unity PF & High Efficiency
- Galvanic Isolation
- Digital Microcontroller based Circuits
- High Operating Efficiency
- Better THD parameters
- Intelligent Battery Management
- Digital Display



Advantages



Machine Safety



Increased Uptime



High Design Life



Lower or Negligible
production loss



Low Maintenance Cost



Small Footprint

Applications



Oil & Gas



Power



Automobile



Plastic Moulding



Defence



Laser Cutting



CNC Machines



Food Processing



Healthcare



Precision Engineering



Aerospace



Mining

Protections

- Input Under / Over Voltage
- Over Temperature
- Output Under / Over Voltage
- Input Frequency out of range
- DC High / Low
- Output Overload / Short circuit

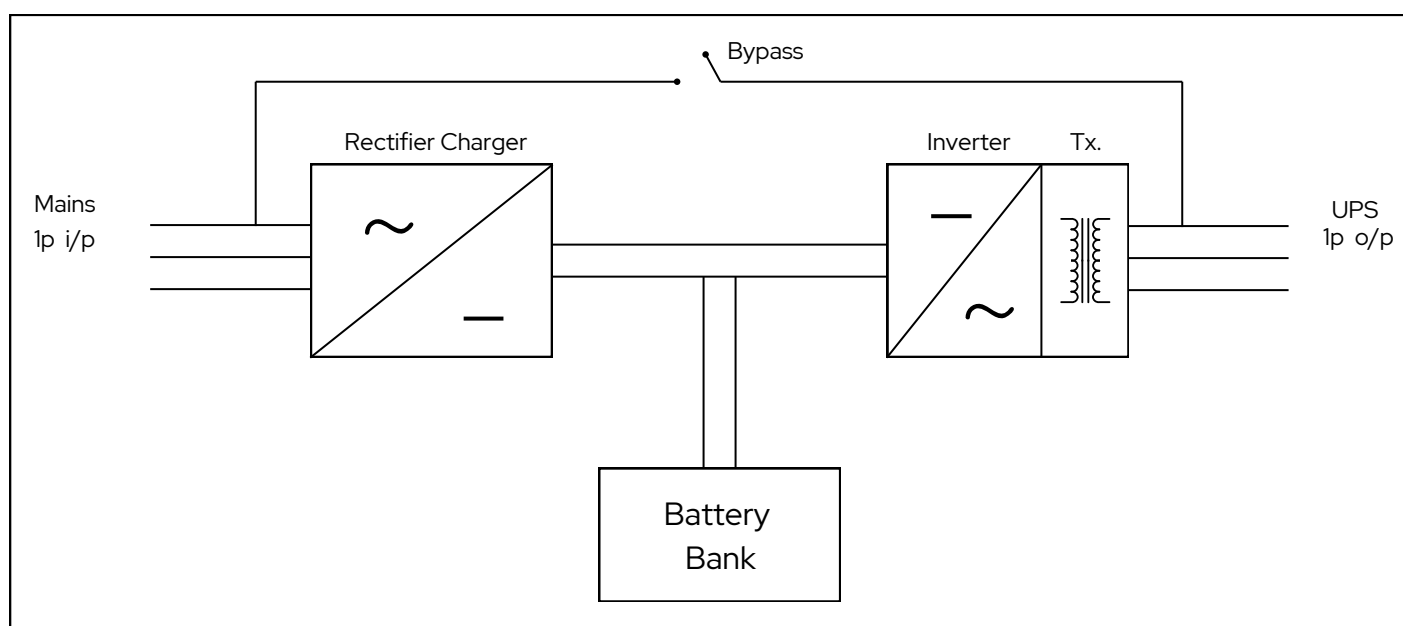
Introduction

TechnoVision's **Industrial grade online UPS** is a robust power solution designed to deliver uninterrupted and high-quality electrical supply to critical industrial equipment.

With 25 years of field experience we have engineered our UPS to handle the rigorous demands of industrial environments like: voltage fluctuations, surges, and outages, ensuring smooth operations and safeguarding mission-critical machinery.

Our advanced technology and durable construction, guarantees consistent power delivery and minimizes downtime. Backed by our committed Pre sales & post sales service, our customer gets the right fit of product and service.

Working Principle



Our Industrial grade online UPS involves converting and regulating power to ensure a continuous and stable supply to critical equipment.

Its double conversion technology works by converting unregulated AC supply to regulated DC & further converting Regulated DC in to further regulated AC supply.

Its built in Inverter/Isolation transformer ensures isolation to your critical equipment, ensuring full safety to your investments.

Supply with: Fixed voltage, Frequency & isolation is what your machine needs to operate healthy.

Industrial UPS

Main Specifications

1Ø I/P – 1Ø O/P

Specifications	Technical Details				
TECHNOLOGY	Double conversion, advanced MPWM technology				
Capacity	3KVA	5KVA	7.5KVA	10KVA	
DC BUS	96	120	192	192	
Rating	1Ø Input - 1Ø Output				
INPUT					
Input Voltage	230VAC, 1Ø				
Input Voltage Window	170VAC - 270VAC				
Input PFC	0.99 on full load				
Power walk in	Soft start for 0-20 seconds power walk-in.				
Input Frequency	50Hz ± 10%				
Input current harmonic distortion	<7%@100 % Load				
RECTIFIER					
Charging Current Standard	0-10A				
Ripple Voltage	<2% without Battery				
Voltage Regulation	(±) 1%				
Battery	SMF				
Charger Type	CCCV				
INVERTER					
Inverter Type	IGBT based MPWM with instantaneous Sinewave Control				
Nominal Voltage	230V/50Hz				
Power Factor	0.8 lag				
Regulation	(±) 1%				
Over Load Capacity	125% -1 Minute : 150% 10 Seconds				
Transient Response	Output remains within +/- 5% & recover to normal within 20 msec				
Total Harmonic Distortion	Linear Load : < 2% Non Linear Load : < 4%				
Bypass	Auto bypass				
EFFICIENCY					
Efficiency- 100% load	>85% - 90%				
Mode of Operation	Designed for Continuous operation				
Crest Factor	3:1				
Isolation	True Online with complete galvanic isolation for comprehensive power				
Fault status display with latch	Mains on, Charger on, Inverter on, Battery Low, Overload, Inverter Trip				
Parameters on LCD Display	Input Voltage, Output Voltage, Load percentage, Output Frequency, Battery Voltage				

Main Specifications

1Ø I/P – 1Ø O/P

Specifications	Technical Details
PROTECTIONS	<ul style="list-style-type: none">• Advanced Electronic Protection with MCBs, MCCBs, & Fast-Acting Fuses.• High speed pulse by pulse electronic device protection• Electronic over current trip with reset.• Input Under Voltage / Over Voltage• Over Temperature• Input low/ fails• Output Overload• Over Temperature• Battery Low• Short circuit• Rectifier Over Voltage• High voltage transient & ESD protection per IEC 62040-2
Alarms warning	<ul style="list-style-type: none">• Input low/ fails• Output Overload• Over Temperature• Battery Low
Enclosure Protection	IP-20
Cooling	Forced air
Acoustic Noise level	<60db @ 1.5 meter
Humidity	Up to 95% RH Non condensing
Operating ambient Temperature	0 to 40° C
Dimensions in mm D x H x W/Wt. in Kg	<ul style="list-style-type: none">• 550* 550* 200 / 45 Kgs• 550* 550* 200 / 50 Kgs• 550* 550* 200 / 55 Kgs• 600* 650* 240 / 70 Kgs
Altitude	< 3000 Feet above sea level (without derating)
Testing Standard	AS per IEC 62040-3

"Product images and technical specifications are subject to change as a result of continuous development.
Any customizations required to meet special applications can be provided by us."



Core Purpose



Protect Mission Critical Equipments Backed by Technology and Trust

Core Values



Responsive to Change



Growth through

- Merit and Hard Work
- Solution-Oriented Approach



Human and Machine Safety



Customer Centricity

OUR PRODUCTS

AC Solutions

- Industrial Inverters
- Static Voltage Stabilizers
- AVR 100 KVA to 2000 KVA
- Industrial UPS - 1KVA to 500KVA
- Isolation Transformer - 1KVA to 2000KVA
- Static Frequency Converter - 1KVA to 500KVA
- Servo Controlled Voltage Stabilizers - 1KVA to 300KVA

DC Solutions

- Battery Chargers – SCR /IGBT technology (10A to 1000A)
- Battery Chargers – SMPS technology (10 A to 500A)
- DC rails
- DC-DC converters
- Battery jump starters
- Solar Charge Controllers
- Lithium battery based Solutions

CONTACTS



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