

Seamless Power Backup for Critical Operations

# INDUSTRIAL UPS

3Ø-1Ø 5KVA-60KVA



**~AC⚡DC~**  
POWER SOLUTIONS



## Features

- Rugged Industrial Design
- Near Unity PF & High Efficiency
- Galvanic Isolation
- Digital Microcontroller based Circuits
- SNMP Communication
- High Operating Efficiency
- Better THD parameters
- Intelligent Battery Management
- Parallel Redundant Operation
- Designed for harsh weather



## 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
- Input phase fail & reverse
- Output Under / Over Voltage
- Over Temperature
- Input Frequency out of range
- DC High / Low
- Output Overload / Short circuit

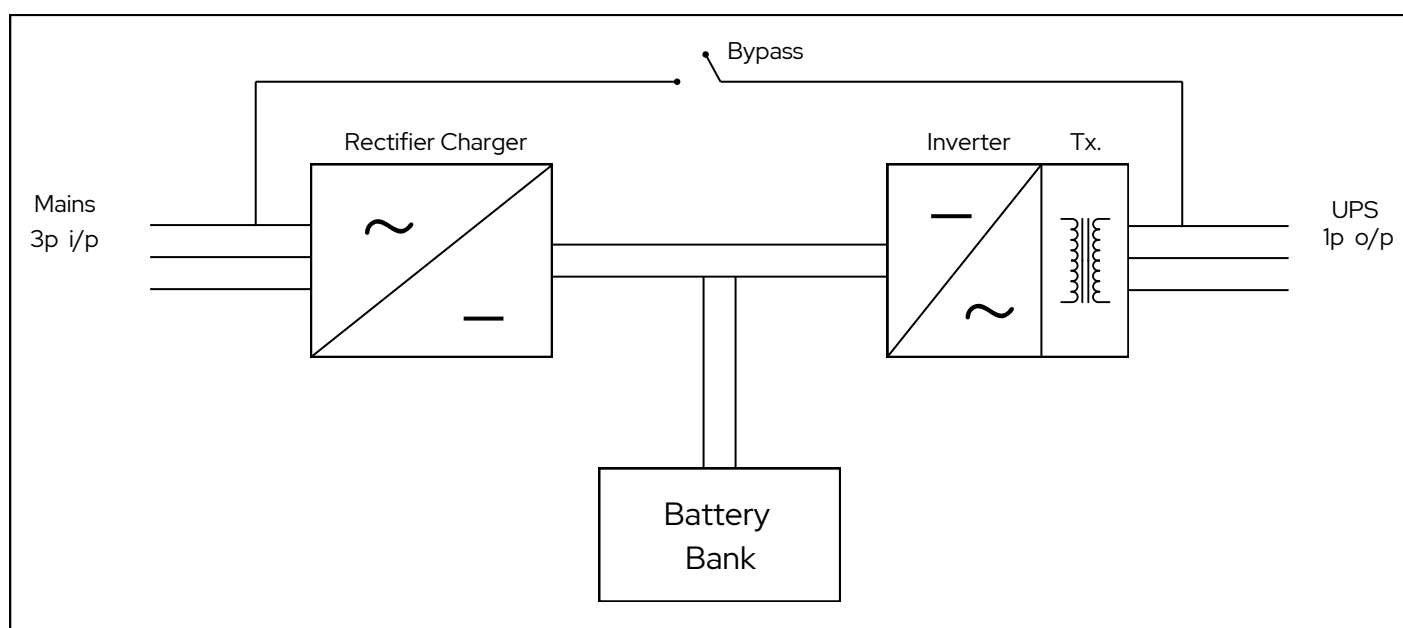
## Introduction

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

3Ø I/P - 1Ø O/P

Specifications	Technical Details
<b>TECHNOLOGY</b>	DSP based, IGBT inverter-IGBT converter Online UPS.
Rating	5KVA - 60KVA
DC BUS	192VDC - 360VDC
<b>INPUT</b>	
Input Voltage	415VAC, 3Ø & N
Input Voltage Window	360VAC - 460VAC , 330VAC - 470VAC
Input PFC : 100% load	> 0.95
Power walk in	Soft start for 0-20 seconds power walk-in.
Input Frequency	45-55Hz
<b>RECTIFIER</b>	
Ripple Voltage	< 2%
Converter Protection	Advanced Electronic Protection for device safety backed up, with MCB's/ MCCBs & fast acting fuses
Voltage Regulation	± 1%
Type	IGBT based full bridge
<b>INVERTER</b>	
Inverter Type	IGBT based MPWM with instantaneous Sinewave Control
Nominal Voltage	230VAC, 1Ø, P-N
Regulation	( ± ) 1%
Frequency	50 Hz ± 0.1Hz
Output PF	0.8 lagging to Unity
Waveform	True Sinewave
Total Harmonic Distortion	Linear Load : < 2%      Non Linear Load : < 5%
Over Load Capacity	100% : Continuous 110% : 10 Minutes 150% : 1 Minutes
Crest Factor	3:1
Mode of Operation	Designed for Continuous operation
Transient Response	Remains within +/- 5% & recover to normal within 20 msec
<b>ISOLATION</b>	Inverter Protection Advanced Electronic Protection for device safety backed up with MCB's/ MCCBs & fast acting fuses,high speed pulse by pulse electronic device protection over voltage / under voltage protection, Electronic over current trip.
<b>BYPASS</b>	
Manual Bypass	Provided
<b>ALARMS</b>	• Input / Low / Fail   • Output overload   • Over temperature   • Battery low
LED Indications (Single LED with multi function )	• Mains on                      • UPS on                      • Battery Low • Input Voltage                • Output Voltage           • Load current • Output Frequency        • Battery Voltage           • Overload

"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

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## 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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