

Seamless Power Backup for Critical Operations

INDUSTRIAL UPS

3Ø-3Ø 5KVA-500KVA




~AC⚡DC~
POWER SOLUTIONS



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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

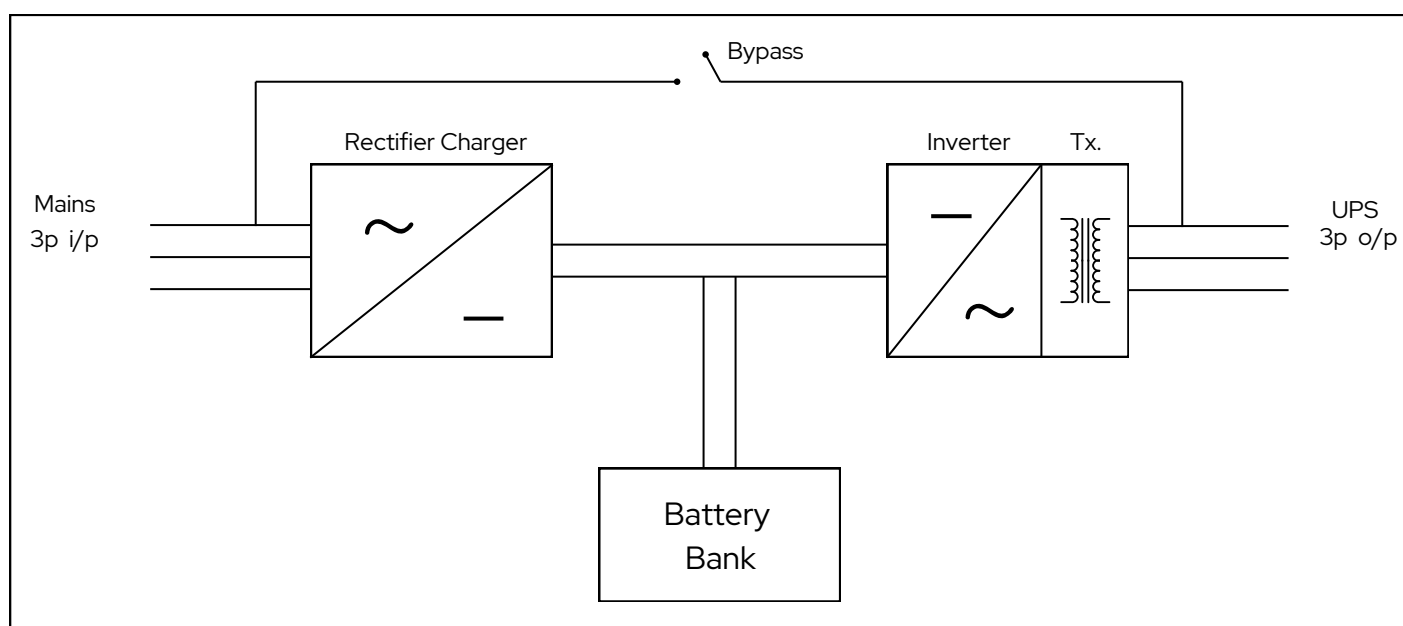
Introduction

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 – 3Ø O/P

Specifications	Technical Details
Nominal input voltage	415VAC (3Ø) 4 wire
Wide input voltage range	360VAC to 460VAC
Nominal input frequency	50Hz
Input frequency range	45Hz to 55Hz
Accurate output voltage	415VAC +/-1% 3ph
Input Power Factor	0.9
Output power factor	0.8 lagging to Unity
Transient response	For 100% step load change output stays within +/-5% and recovers within 10-20 msecs.
Technology	Micro- Controller based PWM, IGBT
Isolation	Total isolation of output from input to protect from spikes and surges. (Provide dedicated Earthing)
Output overloading	100% for continuous, 120% for 15mins, 150% for 30secs.
Crest factor	3:1
Inverter efficiency	Greater than 90%
Operating Temperature	0 TO 55 °C
Humidity range	95% Rh (non condensing)
Rectifier Section	IGBT Based
Total harmonic distortion	Less than 5% at non-linear load
Output waveform	Pure sine wave
Genset compatible	Yes
Alarms warning	Mains fail, Batt low, DC over, DC under, o/p AC over, O/p over load, O/p AC under
User friendly monitoring on LCD Indication:	Input Mains Voltage & Frequency, Output Voltage & frequency, Fault indications etc.
Diagnostic Fault Recording System	Advanced Micro-controlled diagnostic system will record/store the relevant data at regular intervals and also during failure.
Audible noise	Less than 65 db at 1 meter
Chassis design	IP-21
Cooling facility	Forced air cooling, Fans and Blowers
Safety protections	Output over voltage Output under voltage Output overload Output short circuit Input phase fail, phase reverse Temperature high

"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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