

PRODUCT PROFILE

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Powering The World
Through Innovation !



ORIGINTECH
Electronics (India) Pvt. Ltd.

When you choose OriginTech, you choose excellence

Our Commitment to Innovation and Quality



OriginTech Electronics India Pvt. Ltd.

is a leading manufacturer of high-quality power solution products, specialized in Servo Voltage Stabilizers, Static Voltage Stabilizers, Online UPS, APFC Panels, Power Distribution Panels and Isolation Transformers.

Established in 2018, the company has rapidly grown into a trusted brand in the Indian power industry. We are more than just a manufacturer – we are your trusted partner for power solutions.

By combining our high-quality products, expert consultancy, service/maintenance and exceptional customer support, we aim to exceed your expectations and help you achieve your goals. Our products are meticulously crafted using premium quality raw materials and adhere to stringent national and international quality standards.

Why Choose OriginTech?

- ✓ **In-House Design & Products Manufacturing**
100% Made in India
- ✓ **Customized Solutions**
Designed for your specific requirements
- ✓ **24/7 Technical Support**
Pan India service and delivery
- ✓ **Quality Assurance**
ISO certified with stringent quality standards

Founded In

2018

Products

6+ Categories



Product Info

Servo Voltage Stabilizers

Precision voltage control for industrial applications



Key Features

-  True RMS Correction Technology
-  Microcontroller Based Control System
-  High Speed Correction: 70V/Sec
-  Digital LCD Display
-  Complete Protection Suite
-  98% Efficiency Rating

Applications



Manufacturing Plants



IT & Data Centers



Medical Equipment



Printing Industry

Technical Specifications

Parameter	Air Cooled	Oil Cooled
Rating (kVA)	10kVA - 150kVA	50kVA - 2000kVA
Input Voltage Range	320V-460V / 340V-480V / 360V-480V	
Output Voltage	415V (380V/400V optional)	
Correction Speed	70V/Sec	
Response Time	10ms	
Voltage Regulation	±1% Tolerance	
Efficiency	98% >	
Frequency Range	47Hz - 53Hz	
Control Type	Microcontroller based true RMS	
Display	LCD Display	

Protection Features

- Under/Over voltage cutoff with electronic circuit
- CT based electronic overload protection
- Short circuit protection with MCB/MCCB
- Single phasing and phase reversal protection
- Transient protection through MOV
- Built-in bypass switch
- Neutral – Earthing over voltage



Product Info

Static Voltage Stabilizers

Zero maintenance, high-speed voltage correction



Key Advantages

-  **Static Quiet Operation**
Zero maintenance, no switching, no moving parts
-  **Fast Response Time**
10ms response time
-  **High Speed Correction**
2000V per second
-  **Air Cooled Design**
No oil tanks, completely oil-free
-  **High Efficiency**
Greater than 98.5%
-  **Zero Impact Protection**
Against voltage sags, surges, spikes, noise, swells

Applications


Manufacturing Plants


IT & Data Centers


Medical Equipment


Textile Industry

Technical Specifications

Parameter	Single Phase	Three Phase
Capacity	5KVA - 50KVA	10KVA - 250KVA
Technology	IGBT based AC – AC conversion	
Correction Speed	2000 V/Sec	
Input Voltage	170V – 280V AC	340-460V AC
Frequency	47-53Hz	
Output Voltage	230V AC $\pm 1\%$	415V AC $\pm 1\%$
Output Range	220V-240V AC	380V-415V AC
Display	Digital LCD Display	
Controller	High Speed dsPIC	

Protection Features

- Low voltage protection
- Overload protection
- Single phasing protector
- Spike protection
- High voltage protection
- Short circuit protection
- MCB/MCCB protection
- Built-in Bypass Switch



Product Info



Online UPS Systems

Uninterrupted power protection with advanced technology

Advanced Features

-  **Innovated Own Design**
Rugged topology, IGBT based technology
-  **3 Phase Sensing**
Built-in True ARD (Auto Restart Delay)
-  **User-Friendly Display**
Control through UPS LCD display
-  **Event Logging**
Up to 100 events with real-time clock
-  **Solar Compatible**
Works with on-grid/off-grid solar systems

Applications



Manufacturing Plants



IT & Data Centers



Medical Equipment



Printing Industry

Technical Specifications

Parameter	Single Phase	Three Phase
Capacity Range	3KVA to 50KVA	5KVA to 250KVA
DC Voltage	72V to 360V	
Input Voltage	180V-260VAC	300V-450VAC
Output Voltage	230VAC $\pm 1\%$	415VAC $\pm 1\%$
Frequency	50Hz ± 2 Hz	
Technology	DSP based IGBT	
Battery Charging	Reverse charging technology	
Power Factor	Unity for mains mode	
Changeover Time	10-40 sec (user settable)	
Efficiency	Mains: 100%, Battery: $\geq 88\%$	
Operating Temp	0-50°C	

Protection Features

- Input high/low voltage
- Output short circuit
- Phase reversal
- Overload protection
- Battery low trip
- Single phasing

Display & Alarms

- LCD display with all parameters
- Mains fail alarm @ 15 sec
- Battery low pre-alarm @ 80% discharge
- Real-time event logging



Product Info

APFC Panels

Automatic Power Factor Correction for energy efficiency



Features & Benefits

-  **Improved Power Factor**
Optimizes electrical system efficiency
-  **Lower Electricity Bills**
Reduces reactive power demand charges
-  **Enhanced Equipment Performance**
Improves overall system efficiency
-  **Reduced Operational Issues**
Minimizes equipment stress and failures
-  **Energy Measurement**
Real-time power factor monitoring
-  **Built-in Protection**
Corrosion resistance and fuse protection

Applications


Manufacturing Plants


IT & Data Centers


Medical Equipment


Printing Industry

Technical Specifications

Capacity
10 KVAR >

Phase
Delta Connection

Input Range	380/415/440V, 3 Phase, 50Hz
System Type	Balanced/Unbalanced
Control Range	-0.8 Lag to +0.8 Lead
PF Setting	-0.8 Capacitive
Humidity	Up to 95% RH
Switching Type	Static Switch/Firing Modules

Protection Features

- Input MCB/MCCB for incoming APFC panel
- Input MCB/MCCB for PF capacitor of each step
- Untuned choke (4% line voltage) for each bank

Indications

- Mains ON
- APFC Panel ON
- Static Switch ON
- Control ON
- Step MCCB ON



Product Info

Power Distribution Panels

Reliable power management and distribution solutions



Key Features

-  **Efficient Load Distribution**
Optimized power distribution across systems
-  **Complete Protection**
Against overloads and short circuits
-  **Modular Design**
Allows future system upgrades
-  **Circuit Breakers**
Advanced control and protection features
-  **Easy Maintenance**
User-friendly design for service access
-  **Quality Standards**
Compliant with national and international norms

Applications & Industries



Industrial Plants
Manufacturing & processing facilities



Commercial Buildings
Offices, malls, and complexes



Healthcare
Hospitals and medical facilities



Data Centers
IT infrastructure and servers

Custom Solutions

- Tailored to specific load requirements
- Various voltage ratings and configurations
- Integration with existing power systems
- Compliance with local electrical codes
- Professional installation and commissioning
- Comprehensive testing and certification



Product Info



Isolation Transformers

Electrical isolation and noise reduction solutions

Key Benefits

-  **Electrical Isolation**
Complete isolation between input and output circuits
-  **Noise Reduction**
Eliminates electrical noise and interference
-  **High Dielectric Strength**
Enhanced safety assurance for critical applications
-  **Low-Loss Design**
High efficiency with minimal power losses
-  **Temperature Stability**
Reliable operation across temperature ranges
-  **Maintenance-Free**
Robust construction for long-term reliability

Applications

Sensitive Electronics

Protection for computers, medical equipment, and instrumentation

Radio & Communications

Ultra isolation for transmitters and radar applications

Medical Equipment

Patient safety and equipment protection in healthcare

Laboratory Equipment

Precise measurements and sensitive instrumentation

Technical Features

- Single and three-phase configurations available
- Custom voltage ratios and power ratings
- Low interwinding capacitance options
- Electrostatic shielding for enhanced protection
- Compact design for space-efficient installation
- Comprehensive testing and quality assurance

Some of Our Installations



Gallery



Ready to power your success?
Contact us today for customized power solutions that meet your specific requirements

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