

Stable Voltage, Reliable Performance

AUTOMATIC VOLTAGE REGULATOR

50KVA – 2000KVA



~AC⚡DC~
POWER SOLUTIONS

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Features

- Linear type regulator
- Electrolytic copper
- CRGO laminations
- Self-lubricated Rolling carbon
- Micro-controller circuit
- Efficiency 98% to 99.5%
- No sludge formation
- Auto-Bypass Functionality

Advantages



Low
Maintenance



25 years of
product life



Negligible
operating losses



Step-less voltage
regulation



Redundant internal
rolling carbon



Easy
to install



10–15 years
oil life



Payback time:
6–24 months

Applications



Oil & Gas



Power



Automobile



Plastic Moulding



Defence



Laser Cutting



CNC Machines



Food Processing



Healthcare



Precision Engineering



Aerospace



Mining

Main Specifications

Specifications	Technical Details
Input Voltage	300 Volts to 480 Volts
Output Voltage	400 or 415 $\pm 1\%$
Type	Balanced / Unbalanced
Phase	3-Ph, 4 Wires
Frequency	50 Hz
Cooling	Oil Cooled
Mode of Operation	Automatic / Manual / Handle
Type of Cooling	ONAN
Core Used	CRGO M4 Grade
Copper	Electrolytic Grade
Temperature Rise	35°C Above Ambient
Overload Capacity	<ul style="list-style-type: none">50% Overload for 30 seconds75% Overload for 10 seconds
Application	Indoor / Outdoor Type
Transformer Oil	As per IS 335
Winding Temp. Rise	40°C
Output Accuracy	$\pm 1\%$ from no load to full load
Response Time	Instantaneous
Waveform Distortion	Nil
Efficiency	More than 99%
Losses at No Load	0.14% of the total capacity
Losses at Full Load	0.7% at full load
Metering	Metering for Phase Voltage & Current Flow
Terminations	Suitable Aluminum Bus Bars will be provided in the Termination Box
Expected Working Life	More than 20 years
Control Panel	Control Panel will be provided on the front side of the equipment & the control cards fitted inside the panels are far from the heating area
Regulator Type	Linear Plus/Minus Type copper strip wound instead of copper wire wound type. Vertical Rolling type for each phase to increase operating efficiency & life
Manual Bypass	Not provided
Carbon Contact Assembly	Self-lubricated carbon roller assembly for each phase instead of ordinary carbon brushes to get more reliability and trouble-free performance
Protection	Hi/Low voltage cut off, Overload protections are part of the circuit. To activate, you have to install switchgear on the input side along with shunt trip

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

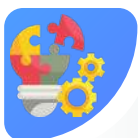


Core Purpose



Protect Mission Critical Equipments Backed by Technology and Trust

Core Values



Responsive to
Change

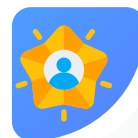


Growth through

- 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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