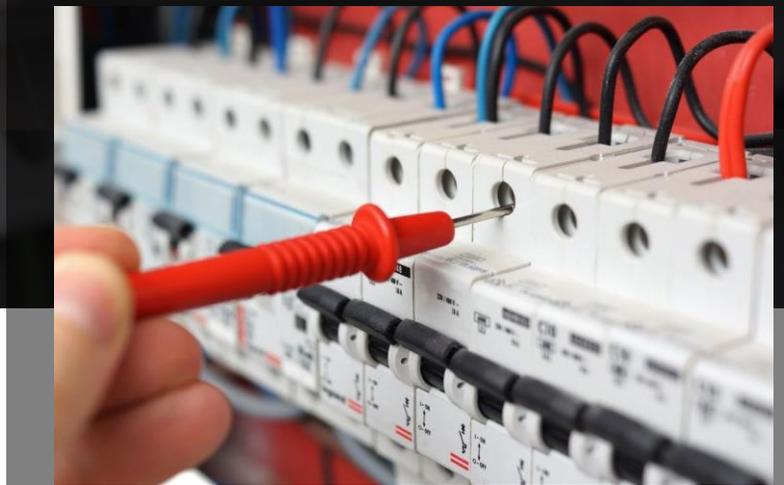
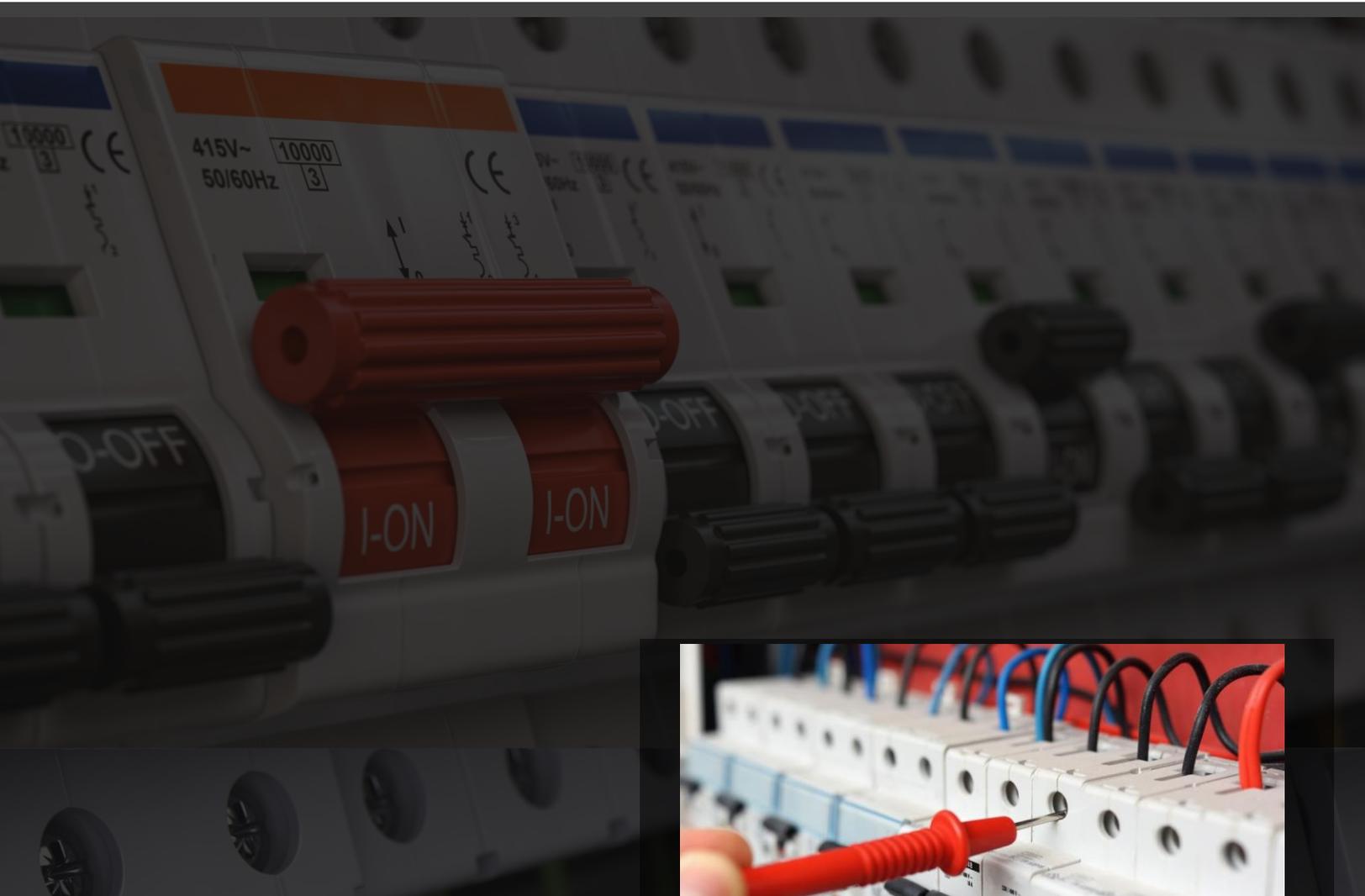


# BEST DEAL ELECTRICALS



**ELECTRICAL  
CONTROL PANELS**  
**CUSTOM ENGINEERED SOLUTIONS &  
ASSEMBLY**

# YOUR **ONE-STOP** SHOP

## FOR OPTIMAL SYSTEM PERFORMANCE

When it comes to system integration, we understand how critical it is for our customers to have one central partner in order to maximize system performance. **Best Deal Electricals** is that partner - elevating your custom engineered solution with customized control panel design, fabrication, and integration. We also provide assistance with software development and full system testing within our state-of-the-art facility.



# **SPECIALIZED**

# **CONTROL PANEL**

## **DESIGN, BUILD & SYSTEM INTEGRATION**

At **Best Deal Electricals**, our commitment to quality is central to everything we do. From methodical designs with clean panel layouts and attention to detail in terms of wire routing and labeling, to systematic testing to ensure proper function before your custom control panel ever leaves our shop. Our team of in-house engineers handles all aspects of control panel design, fabrication and testing to ensure it performs to your exact specifications upon system startup.



## POWER UNIT CONTROL PANELS

**Best Deal Electricals** is a leading manufacturer of custom hydraulic power units that support various applications including hydraulic presses and material handling systems. We can design and build any type of control panel to meet the requirements of your hydraulic system including:

- Simple Motor Starters
- Variable Frequency Drives
- Fully Customized Control Panels
- Prewiring & Testing for Integrated Units

## MOBILE SYSTEM CONTROL PANELS

At **Best Deal Electricals** our engineers design and integrate control panels for the harshest working environments including asphalt, agriculture, construction, and forestry. Every control panel is built with an uncompromising combination of robust design and engineering to meet the rigorous physical demands of these applications without compromising operating efficiency, including:

- Heat Removal
- Extreme Ambient Temperatures
- Adverse Weather Conditions
- Hazardous Terrain



## LUBRICATION CONTROL PANELS

For applications that require specialized lubrication control, **Best Deal Electricals** designs and manufactures custom lubrication control panel packages tailored to your system requirements. Our solutions include:

- Lubrication "On-Time" and "Off-Time" selection using internal timers or input from your machine.
- Lubrication monitoring of system "Cycle Complete" based on feedback from pressure, flow, cycle and level devices incorporated in most systems.
- Available zoned system control of valves and devices.
- Control and monitoring of complete Air-Oil or specialized systems.
- Quick system inspection and troubleshooting by way of manual lubrication event initiation and diagnostic screen analysis.
- Outputs for communication to a remote PLC, etc.

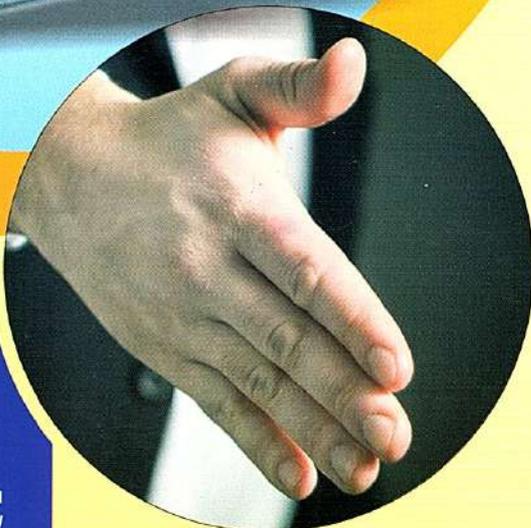
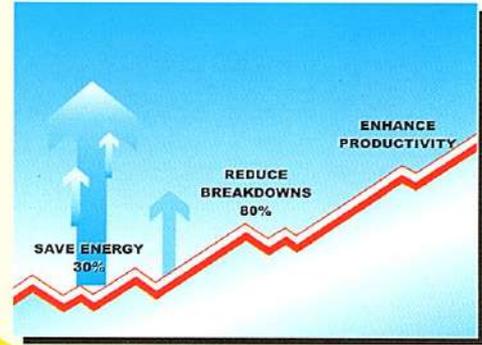


Plot No 256, Industrial Area, Phase 9, Mohali  
Contact Number: (91) 97790-96815 | [bestdealelectricals4444@gmail.com](mailto:bestdealelectricals4444@gmail.com)

# BEET

## BEST DEAL ELECTRICALS

### AUTOMATIC VOLTAGE CONTROLLER



#### WHO NEEDS STABILIZER

If your unit is suffering from low / high unbalanced voltage, you need to install a stabilizer soon. Industrial units having acute / higher failure rate of Electrical Equipment such as bulbs, tubes, chokes, starter, contactor coils, motors etc., should verify that it may be due to voltage variation (esp. high voltage). You may note down hourly readings of incoming voltage for a few days continuously. If you find that input voltage is lower or higher than 230V (single ph) / 400V (3-ph) even for few hours a day, then you definitely require a stabilizer. Call our Engineer for Free On-Site Voltage Analysis.



## BRIEF TECHNICAL SPECIFICATIONS

Voltage variations can play havoc with electronic systems and even bring the whole plant to a grinding halt. Even if you have not experienced any major negative consequences of voltage variations so far, still your supply could be full of variations with none being severe enough to trigger a shut down. Just a small increase in severity of voltage variations could cause crippling losses.

CAPACITY	30 kVA to 5000 kVA				
TECHNOLOGY	Linear Type On-Load Voltage Regulators with Stepless Regulation (also referred to as Vertical Rolling Contact or Columnar Design)				
CONTROL MODULE	Microprocessor based				
NO. OF PHASES	Three-Phase				
FREQUENCY	50 / 60 Hz $\pm$ 5%				
TYPE	BALANCED (Common Control for all three phases. Suited for Balanced input supply & up to 40% unbalanced load)		UNBALANCED (Individual Phase Control. Suited for unbalanced input supply and unbalanced load)		
LOAD VARIATION	Admitted from 0 to 100%				
INSTALLATION	INDOOR / OUTDOOR as per site requirement				
COOLING	Natural Oil-Cooled, ONAN (available in all models) Air-Cooled, Natural / Forced (available in select models)				
OUTPUT VOLTAGE	400V $\pm$ 1% (Ph - Ph) / 230V $\pm$ 1% (Ph - N)				
INPUT VOLTAGE*	350 - 450V	340 - 460V	330 - 470V	320 - 480V	300 - 500V
	*(wider & asymmetrical ranges are manufactured on order)				
EFFICIENCY	-99.5%	>99%	-99%	-98.5%	>98%
DUTY CYCLE / LIFE	Designed for 100% Continuous Duty Cycle & for a life of 18 - 20 years at extreme conditions				
RESPONSE TIME	Less than 10 milliseconds				
CORRECTION RATE	6-15 Volts / second (up to 500 kVA) and 3-8 Volts / second (above 500 kVA)				
AMBIENT TEMPERATURE	-10 to $\pm$ 45 $^{\circ}$ C				
MOUNTIN	On Unidirectional Wheels				
TERMINATION	Aluminium Bus - Bars are provided for Input & Output in a common junction box				

## BEST LINEAR VOLTAGE REGULATOR TECHNOLOGY

The **BEST** Linear Voltage Regulating Transformer has been specially designed to meet a wide variety of heavy-duty industrial applications. Globally, these have become an established method of control, wherever continuously variable on-load control of voltage & power is needed. These regulators are wound with heavy section of copper strip and are suitable for 100% continuous duty cycle. They have an economic life of about 15-20 years at full load and require negligible maintenance throughout their life.

Voltage Regulating Units combine fixed ratio transformers with regulating transformers to extend their rating, versatility and applications. **BEST** AVC primarily consists of following key components housed in the same tank.

1. Linear +/- Vertical Rolling Contact type On-Load Voltage Regulator 2. Double Wound Buck / Boost Transformer 3. Control Panel with Microprocessor based control module

## COMPARISON BETWEEN BEST & CONVENTIONAL AUTOMATIC VOLTAGE CONTROLLER

### BEST LINEAR VOLTAGE REGULATOR WITH CARBON ROLLERS

### CONVENTIONAL DIMMERSTAT TYPE REGULATOR WITH CARBON BRUSH

- |   |  |
|---|--|
| 1. Power consumption is 0.5 to 1.5 %        | 1. Power consumption is 3 to 7 %               |
| 2. Suitable for 100 % continuous duty cycle | 2. Suitable for only 50 to 60% continuous duty |
| 3. Life at full load is 15-20 years         | 3. Maximum life is 2-3 years at full load      |
| 4. Negligible Maintenance throughout life   | 4. Require Frequent Maintenance                |
| 5. Compact construction                     | 5. Very bulky in size                          |



## BEST FIVE YEARS UNCONDITIONAL WARRANTY

Our promise of Quality. Service & Commitment guarantees you Total Peace of Mind for decades together. **BEST** AVCs come with an Unconditional Guarantee for Five Years against any manufacturing defect. You pay absolutely nothing for visits, spares, service replacement during these 5 years.

**Also Manufacture AIR/OIL COOLED VOLTAGE STABILIZERS In Dimmer Type Technologies**

## AUTOMATIC VOLTAGE CONTROLLERS



## BEST DEAL ELECTRICALS

[www.bestdealelectricals.com](http://www.bestdealelectricals.com)

Manufacturing Unit : Plot No. 256, Phase 9 , Industriel Area, Mohali  
Tel : +91-172-5013256

Email: [bestdealelectricals4444@gmail.com](mailto:bestdealelectricals4444@gmail.com)

Website: [www.bestdealelectricals.com](http://www.bestdealelectricals.com)



## BEST DEAL ELECTRICALS

IGBT Online UPS System (0.5 KVA to 15 KVA)

### Complete Blackout and Brownout Protection

According to Study by Bells Labs, under voltage & sudden dips represent the majority of power problem. Wide Input range & Online design of "Uniline" UPS prevent data loss caused by outages & brown outs.



### Salient Features :

- Wide Input Window
- Generator Compatible
- Computer Grade Power
- Superior Float Cum Boost Charger
- IGBT Based Hi - Frequency PWM Inverter
- O/P Distortion < 3%
- Inverter Efficiency > 92%.
- High crest factor > 4 : 1
- Crystal controlled output frequency 50 Hz  $\pm$  0.01%.
- Low noise < 50 db upto 10 KVA
- Compact, sleek design
- Backup up to 8 Hrs
- RS 232 C / SNMP Interface
- Tested. by Reputed Agencies

### ■ Computer Grade Line Conditioning with Isolation

Superior full time isolation is built into all "Uniline" UPS. Output is fully isolated by double conversion & isolation transformer. No need to have extra isolation transformer as required for Imported Systems. Remote Monitoring & Control through SNMP / Internet also possible at extra cost. (Optional)

### ■ Network Interface Port

Provided the security of an automatic shut down to all major network operating systems including Novells, Window NT/ Window, Unix etc. Linux (optional kit may be required).

### ■ Uniline UPS are available in following configuration :

- Stand Alone True Online UPS. (MX-S)
- Dual Redundant Hot Standby type UPS. (MX-HS)
- Parallel Redundant Load sharing type UPS. (MX PRS)



**TECHNICAL SPECIFICATIONS**

	MODELS	1KVA	2KVA	3KVA	5KVA	6KVA	7.5KVA	10KVA	15KVA
<b>AC INPUT</b>									
<b>PARAMETERS</b>	AC Input Voltage	a) 230 V - 20 % + 15 % Single Phase or any Voltage Range as per Customer Requirement							
	Frequency	a) 50Hz ± 10 % Can also Work on Good Quality Generators							
		a) Output Voltage 220 / 230 V AC Single Phase							
		b) Voltage Regulation ± 1 %							
		c) Frequency 50 Hz ± 0.05 Hz (Crystal Controlled)							
		d) Waveform Sinewave							
		e) Harmonic Distortion Less than 3 %							
<b>AC OUT PARAMETERS</b>		f) Efficiency > 92 % for 180 V DC > 85 % for 48 V DC / 72V DC 87 %							
		g) Power Factor 0.8 Lagging							
		h) Overload 110 % for 10 Minutes. 200 % for 5 Cycles.							
		i) Crest Factor > 4 : 1							
		j) Transient Recovery Within 3 Cycles.							
<b>PROTECTIONS</b>		An Electronics Circuit with Digital Logics Continuously Searches for the Following Faults & Trips the System with Audio - Visual Indication. a) Battery Over Voltage. b) Battery Under Voltage. c) Output AC Over Voltage. d) Output Overload / Short Circuit.							
<b>INDICATIONS</b>		• Mains On. • Load On Batteries. • Battery Low. • Inverter Overload. • Load On Mains. • Battery Boost. • Battery Level Graph • Load Level Graph.							
<b>METERING</b>		Digital Metering Available for Output Voltage / Battery Voltage / Output Current / Output Frequency (Customised Metering Option Available)							
<b>AMBIENT CONDITIONS</b>		a) Operating - 0° C - 50° C. c) Relative Humidity - 95 % RH. e) Audible Noise				b) Storage - 0° C - 60° C. d) Operating Altitude - upto 2000 Meters. Less than 55 db at 1 Metre upto 10 KVA Less than 60 db at 1 Metre above 10 KVA			

\* The above system are based on normal standards and can be customised as per specifications

**OPTIONAL FEATURES :**

- Static Bypass Switch
- Remote On / Off Panel.
- Remote Indicator Panel
- SNMP Interface
- Hot Standby Mode
- Parallel Redundant Mode

**Our Other Products :**

• Uniplus (600 VA) • Smart Line Interactive UPS (Upto 3 KVA) • Green Line Series (Upto 6 KVA) • Modular Series (15KVA to 20 KVA) • D Series UPS (60KVA to 300 KVA) • GigaPower (Tripower IGBT Online UPS upto 500 KVA)

ISO 9001 - 2000 for Quality	ISO 14001 for Environment	CE Certification	Safety & EMC	Award Receiving	Udyog Pragati Award	National Goldstar Award	SD Award	Quality Service Assured

**BEST DEAL ELECTRICALS**

Plot No. 256, Phase 9 Industrial Area, Mohali (Punjab)

0172-5013256/ +91-9779096815

Email: bestdealelectricals4444@gmail.com

AUTHORISED DEALER: