



*Commands the Voltage*

*An QMS ISO 9001: 2008 Certified Company.*



*Complete Home Appliance Power Solution*



## STABILIZERS

### Digital Electronic Voltage Stabilizers

All new range of Digital Automatic Voltage Stabilizers with Micro Processor Technology. This is designed with latest German Torodial Technology with reduced no load current losses to ensure efficient running of air conditioner & all other appliances.

### Voltage Boosting Range available from 20 V to 110 V Capacity

### FEATURES:

- ✓ Micro controller based technology
- ✓ Digital Display / Non Display
- ✓ Excellent Boosting & Bucking capacity
- ✓ Working range from 100 V - 290 V
- ✓ High / Low voltage cut-off
- ✓ Intelligent Time Delay
- ✓ Excellent power saving
- ✓ Input & output voltage display
- ✓ Stabilizer working condition will display
- ✓ Display on/off facility

S.No.	Input Voltage	Boost	Buck	Output Voltage	
1	180V — 270V	20V	35V	200V — 245V	Normal Range Stabilizers
2	170V — 290V	30V	45V	200V — 245V	
3	140V — 300V	50V	55V	190V — 245V	Special Wide Range Stabilizers
4	100V — 300V	90V	55V	190V — 245V	

### Available capacity for both Display & Non Display

**200 VA to 10 KVA:** 200 VA, 300 VA, 500 VA, 1 KVA, 2 KVA, 3 KVA, 4 KVA, 5 KVA upto 10 KVA

### COMMANDER VOLTAGE STABILIZERS WORKS WELL WITH ALL BRANDED AIR-CONDITIONERS



All product and company names are trademarks™ or registered® trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. All specifications are subject to change without notice.

## DISPLAY MODELS



## NON-DISPLAY MODELS





## High & Low Voltage Protectors (with Digital Display)



Single Phase Voltage Protector



Three Phase Voltage Protector

The new product of Micro Controller based High & Low Voltage Protector with (Digital Display) 100% protection from High & Low Voltage Fluctuations. At present, in the market available stabilizers are almost 95% of the stabilizers are dummy stabilizers including branded company stabilizers also.

Instead of dummy stabilizers it is better to use the High & Low Voltage Protector. At least we can Save / Protect the valuable products TV, Fridge, AC, Washing Machine etc. From High & Low Voltage functions at very low cost.

### FEATURES:

- ☑ Micro controlled & SMPS based integrated power supply
- ☑ Input & output voltage display
- ☑ High / Low voltage cut-off
- ☑ Intelligent Time Delay
- ☑ Short circuit protection
- ☑ 100 % protection from High/Low voltage fluctuation
- ☑ Applicable for TV, Fridge, AC, Washing Machine etc. and for all house appliances
- ☑ Ranges available from, 200 VA to 30 KVA
- ☑ Single & Three Phase
- ☑ Buzzer indication for on/off and cutoff
- ☑ Display on/off facility
- ☑ ITD bypass switch

ONLY  
5% TAX

## INVERTER / HOME UPS

Introducing all new range of pure Sine Wave Home UPS / Inverters with latest micro controller based technology company brings you that suitable to our local area electricity condition that will take care of all your electricity problems with all features & protections with graphic LCD displays.

### FEATURES:

- ☑ Micro Controller based technology
- ☑ LCD display
- ☑ High & Low voltage cut off
- ☑ Quick charging technology
- ☑ Over load protection
- ☑ Battery over Charging & Deep Discharging Protection
- ☑ Battery extra life technology
- ☑ Short circuits protection
- ☑ AC input 230 V +/- 15% single phase
- ☑ Output volts 230 V
- ☑ DC volts 12, 124 & 136 V
- ☑ Inverter working condition will display on LCD screen



Mini Inverter (150v 200v)



400, 850 VA



1, 2 & 3 KVA

## LOAD CHART

Model	Suitable Load	Recommended Battery Backup	
		For 3 Hrs.	For 4 Hrs.
200 VA	1 Fan & Tube Light	36 AH	50 AH
400 VA	2 Fans & 2 Tube Lights (or) 1 Fan, Tube Light & 1 CTV	60 AH	100 AH
650 VA	3 Fans & 3 Tube Lights (or) 2 Fans, 2 Tube Lights & 1 CTV	100 AH	135 AH
875 VA	4 Fans 8, 4 Tube Lights (or) 3 Fans, 3 Tube Lights & 1 CTV	135 AH	150 AH
1200 VA	6 Fans 8, 6 Tube Lights (or) 5 Fans, 5 Tube Lights & 1 CTV	150 AH	180 AH

## THREE PHASE VOLTAGE STABILIZERS

### FEATURES:

- ☑ Micro controller based technology
- ☑ Digital Display
- ☑ Input and output voltage display
- ☑ Each phase voltage display
- ☑ High / Low voltage cut-off
- ☑ Intelligent Time Delay (ITD)
- ☑ Excellent Boosting & Bucking Capacity
- ☑ Stabilizer working condition will displays
- ☑ Display on/off facility

Available  
Range from  
1 KVA to  
30 KVA



## SERVO CONTROLLED VOLTAGE STABILIZERS

A.C. Servo controlled voltage stabilizer to suit your need and budget - yet no compromise in performance and quality. Some models have the unique feature of measuring digitally both voltage and current on a single meter. Trouble free service and reliability makes our servo stabilizer most competitive and prominent in the indian market. Quality assurance by experienced engineers and dependable customer support service of our effective field staff are our plus points.



Three Phase  
Servo Control  
Voltage Stabilizer



Single Phase

### FEATURES:

- ☑ Reliable READOUT, to read both voltage and current on the output side
- ☑ Complete IC version and electronic sensing
- ☑ Protective over voltage / under voltage trip facility and spike suppressor
- ☑ Precise electronic over load/ short circuit trip facility
- ☑ Suitably integrated to work even on non-sinusoidal waveform of generator etc.
- ☑ Audio annunciation on restoration of power to normality
- ☑ Multi socket output
- ☑ Very High Efficiency
- ☑ Distort free output wave form

# SERVO CONTROLLED VOLTAGE STABILIZERS

## TECHNICAL SPECIFICATIONS:

	Three Phase Servo Stabilizers Oil Cooled/air Cooled Models	Single Phase Servo Stabilizers With Digital Voltage/ Current Measurement
Capacities	3.0 KVA - 45.0 KVA Air Cooled 30.0 KVA - 1000 KVA Oil Cooled	1 KVA -15 KVA
Input Voltage Range	295 V - 465 V	170 V -270 V
Type Of	Connection	4 Wires System
Insulation	Class B	Class B
Frequency	47 - 53 Hz	47 - 53 Hz
Output Voltage	400 V $\pm$ 1% Adjustable	230 V Adjustable
Output Waveform	Distortion less true reproduction of input	Distortion less true reproduction of input
Power Factor	Nil	Nil
Efficiency	98% Approx. at ful load	98% Approx. at ful load
Operating Temperature	10 °C - 55 °C	
Correction Rate	60 V/sec	35 V/sec
No.of Phase	Three Or Two	Single Phase
Control Action	Automatic Manual In Case Of Auto Failure Output Can Be Set Manually.	Automatic/manual
Servo Motor	Rugged A.C. Synchronous	Rugged A.C. Synchronous
Meters	Digital/analog	Digital/analog
Panel Indication	LED Indications	LED Indications
Panel Control	Auto/Manual Switch Increase / Decrease By Spring Load Switch Output Voltage Set Adjustment Voltage/Current By Selection	
Output Regulations	$\pm$ 1% of the set value within the specified range	$\pm$ 1% of the set value within the specified range
Protections	Fuse protection for servo motor Input Fuse Up. 15 KVA Under Voltage /Over Voltage Trip Electronic Over Load Spike Suppressor Single Phase Prevention	Fuse PROTECTION FOR MOTOR AND INPUT Under Voltage/ Over Voltage, Electronic Over Load Spike Suppressor

## PHASE SEQUENCE CORRECTORS

Three phase sequence corrector if any line change in sequence (R, Y, B) it corrects the sequence of the phases and gives non stop power.

### FEATURES:

- ☑ Micro controller based technology
- ☑ Ranges available from 5 Amps to 100 Amps
- ☑ Each phase voltage display
- ☑ Over voltage & under voltage protection
- ☑ Intelligent Time Delay (ITD)
- ☑ Specially designed for 3-phase ductable ACs





# THINK FIRST - CHOOSE THE BEST

Customers usually take a lot of information and knowledge while purchasing home appliances. For example, while purchasing a TV we ask for picture quality, sound clarity, cost and warranty, etc. while purchasing Refrigerator or Air-conditioner, we ask for cooling capacity, technology, power consumption and even the color of the product. We will take care of all the features related to the product we purchase. But, many people do not think of the STABILIZER that protects these expensive goods from power risks. They will purchase whatever brand the salesman sells them at economical price compromising on quality.

So, all the customers should be aware of the stabilizer specifications so as to protect their appliances. below are the tips:

- ☑ Amper rating (KVA) with-stand capacity
- ☑ Voltage conditions in user area
- ☑ Boosting capacity should be atleast 20 - 30V
- ☑ Bucking capacity should be atleast 30 - 40V
- ☑ High / Low voltage cut off
- ☑ Intelligent Time Delay (ITD)
- ☑ No load current: Should be always less than 50mA @ 230V
- ☑ Having a voltage display is a better feature
- ☑ Technology used, Finishing of the product and cost

**NOTE:** Some of the TV, Refrigerator, A/c. manufacturing companies publicise that their products have inbuilt stabilizer. But, fact is, there are no such products designed until now. Every power using appliance should have to a Stabilizer.

## THE FACT:

According to indian standards government should supply 220+- 10 Volts electricity regularly. If we do not need any stabilizer if we receive this voltage, but, we are not supplied this quality voltage. Almost all the appliances are designed to withstand 220+- 10 voltage. We get an average 220+/-50 Volts ( 170 - 270 V ) of power at present conditions. This voltage varies even more in some areas. So, we need a good stabilizer to protect our appliances from drastic voltage fluctuations. Or, else there is a risk of device burn-out, heavy power consumption and leading to low-life time of the appliance.



## ABOUT <sup>RR</sup> COMMANDER

**An QMS ISO 9001: 2008 Certified Company.**

<sup>RR</sup> Commander untiring commitment for performance, cutting edge technology, innovative design and dependable service standards have lead to unrivaled product quality and a trusted brand image. <sup>RR</sup> Commander Electronic India (p) Ltd is fastest growing company.

At <sup>RR</sup> Commander the principles that motivated our success remain unchanged. The passion of our early years and our quest for excellence. Through stringent quality measures, reliable products, talented people and a responsible approach to business and global citizenship we continue to steadily capture the hearts of the people.



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



### **RR Commander Electronics India (P) Ltd.**

*Head Office:* Plot No : 75, H.No. 1-10-28/252/1/75, Road No 3, Nagarjuna Nagar Colony, Kushaiguda, **HYDERABAD** 500 062. Phone: **040-27131323**, Mobile: **98490 46328**

*Branch Office:* # 16/105, Ramalayam Street, Sanath Nagar, Kanur Panchayathi, **VIJAYAWADA** 525 057. Mobile: **88855 46328**

*E-mail:* [chinnarahim@gmail.com](mailto:chinnarahim@gmail.com), [rrcommanderelectronics@gmail.com](mailto:rrcommanderelectronics@gmail.com)

***An QMS ISO 9001: 2008 Certified Company.***