



ISO 9001:2015

SANVI VEDANT
POWER SOLUTION PVT LTD.



Manufacture of :

Servo Stabilizer, CVT, Industrial Transformers,
Isolation Transformers, Static Stabilizer, UPS,
Power Conditioning Instruments, Battery Charger
All Purpose Voltage Stabilizer For Industrial & Domestic
Application.

Our Company

Established in the year 2003, SANVI VEDANT POWER SOLUTION PVT LTD stepped into the domain as a small company and presently has succeeded in marking its presence among some of the reputed corporations & industries. We are involved in offering comprehensive range of Transformers, Voltage Stabilizing and Power Saving & Storage equipments.

Our core competencies far exceed just manufacturing as we typically provide total product management solutions to organizations with a zero touch manufacturing strategy.

This encompasses design,

Engineering support,

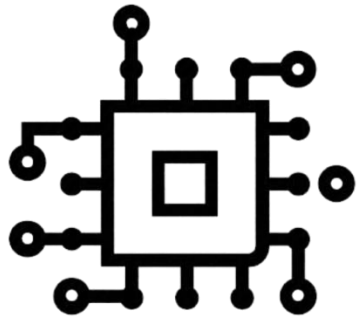
Global procurement and

supply chain management, manufacturing, test, configuration, shipping and field service.

SANVI VEDANT POWER SOLUTION PVT LTD is a certified ISO 9001-2015 & CE company with an extensive range of products which includes Voltage stabilizer, Servo stabilizer, Ultra Isolation transformer, Static stabilizer, CVT, UPS, Inverter, Digital programmable timer and all types of transformers and Power saving products.



For the past Twenty years, Sanvi Vedant Power Solution Pvt Ltd has been providing power stabilizing solutions to some of the India's leading industries in the fields of computing, chemicals, telecommunications, textiles, manufacturing, health, pharmaceutical, retail sectors and many more. For much of this time we are proud to say that we have been at the leading edge of power related technology, and have built up a very high level of expertise in providing power products for the High Tech Industries. Our quality attributes helped us to render customer satisfaction and commitment. Today, Sanvi Vedant Power Solution Pvt Ltd has more than 50,000 satisfied customers across the India.



Latest Technologies



Experienced Team

Single Phase Servo Stabilizer

- Single phase power applications need servo voltage stabilizers to enhance the quality of life of various appliances. SANVI VEDANT POWER SOLUTION PVT LTD assures substantial single phase power solutions by its outstanding products. It is one of the best single phase servo stabilizer manufacturers and suppliers in Gujarat, India.
- Our stabilizers are manufactured with premium quality raw materials to make servo motors, buck-boost transformer, dimmer, shaft, and other important components. We have experienced technicians and staff to assemble the units.
- With the help of Relay/Contactor, they provide High-voltage protection and Low-voltage protection.
- With the help of MCB, they provide Overload protection and Short circuit protection.



Applications

- ▶ Pharmaceutical units
- ▶ Air-conditioning plants
- ▶ Cold-storages
- ▶ Multi-storeyed buildings
- ▶ Hospitals
- ▶ Food-processing units
- ▶ Hotels and restaurants
- ▶ Nursing homes
- ▶ Call centres

Benefits of Single-phase Servo Stabilizers

- ▶ Enhance durability of appliances
- ▶ Improve quality of equipment
- ▶ Save over-all energy
- ▶ Ensure high-levels of safety and protection
- ▶ Enable more than 99% efficiency



Technical Specifications

Capacity	1KVA TO 20KVA
Input Voltage Range	170V-280V , 150V-300V
Output Voltage	230V \pm 1% AC Adjustable
Operating Frequency	50 To 65 HZ \pm 2%
Output Regulation	\pm 1%
Correction Speed	35 V/sec
Line Regulation	\pm 1%
Load Regulation	\pm 1%
Wave-form Distortion	Nil
Power Factor Effect	Nil
Output Wave-form	True Reproduction of Input
Type of Cooling	Natural Air-cooled
Efficiency	More Than 99% (At Full Load)
Response Time	10 milli sec
Duty Cycle	100%
Indicator	Mains "ON", Low & High limit Indicator of Dimmer on front Panel
Manual Control	Provision for Manual Control of Output
Servo Motor Drive	Rugged AC Step Synchronous Motor

Three Phase Servo Stabilizer

❖ Three Phase Air Cooled

- SANVI VEDANT POWER SOLUTION PVT LTD is gratified to render competent Three Phase Air Cooled Servo Controlled Voltage Stabilizers, Servo Stabilizers in Gujarat. SANVI VEDANT POWER SOLUTION PVT LTD helps you cherish such power solutions by supplying spectacular customized models of air-cooled servo stabilizers. It is engaged in the supply, distribution, and export of these stabilizers to customers across Pan India.
- We are proud to reach a diversified customer base with the best quality, latest technological tools, efficient products, and trusted maintenance services.
- SANVI VEDANT POWER SOLUTION PVT LTD accustoms to standards of IS, CE, etc. to satisfy the customers demanding three-phase voltage stabilization. We are involved to produce and provide these units with a capacity range of up to 100KVA. Our enthusiastic engineers work to tune the units as per the customizations with respect to size, model, capacity, and purpose. Digitalized supplies, elegant visual displays, and other accessory considerations are added to enhance user-friendly accommodation.

Applications

- Industrial applications
- IT applications
- Automobiles equipments
- Air-conditioners
- Elevators
- Construction devices
- Household appliances
- Lightning purposes
- Metal-processing equipment
- Medical equipment
- Television sets
- Textile industry
- CNC, VMC Machines

Benefits of Three Phase Air Cooled Servo Controlled Voltage Stabilizers

- Economical
- Available in assorted sizes
- Enable higher capacities
- Highly efficient
- Assure stable output under severe unbalanced conditions



Protections

- Single Phasing Prevention
- Output Electronic Overload Protection
- Phase Reversal Protection
- Input Short Circuit Protection with MCB
- Input Overload Protection with MCB
- Output Low Voltage Protection
- Output High Voltage Protection
- Audio Alarm for Protections
- Surge suppressor Protections
- Bypass/Change over switch Protections

Metering on LCD Display

- Input Phase To Neutral
- Input Phase To Phase
- Output Phase To Neutral
- Output Phase To Phase
- Load Current in all Three Phase
- Frequency



Technical Specification

Capacity	3KVA to 100KVA
Input Voltage Range	340v – 490v, 360v -480v, 300v – 500v(P to P)
Output voltage	380v / 400v / 415v AC (P to P)
System	Unbalanced Load Type
Operating Frequency	47 to 53 Hz
Connection	Star / Delta or Star / Star
Output Voltage Regulation	±1 % From No Load to Full Load
Overload Capacity	120% for 1 minute
Correction Speed	65 V/sec. (P to N), 115v / sec. (P to P)
Waveform Distortion	Nil
Effect of Load P.F. on O/P Volts	Nil
Insulation	Class "F"
Short Circuit Period and Percentage	300% for 250 milli sec
Operating Temperature	60 C°
Type of Cooling	Air-Cooled up to 100KVA
Servo Motor Drive Model-AC	AC Servo Synchronous step Motor
Duty Cycle	100% Continues Sinusoidal
Ambient	Up to 75c° Max above Ambient Relative Humidity up to 90%
Enclosure	CNC Based with Powder Coated
Efficiency	Better than 99% at Full Load
Environment	Designed for Indoor
Mounting	On Wheels
Earthing	Earthing terminals provided
Mode of System	Fully Automatic
Audio Alarm	For Tripping Conditions
Standard	Confirming to ISO: 9001-2015

❖ Three Phase Oil Cooled Stabilizer

- Servo stabilizers are today's popular stabilizer models used everywhere. SANVI VEDANT POWER SOLUTION PVT LTD is a well-noted servo stabilizer manufacturer and supplier in Gujarat, India.
- We offer the best Oil Cooled Servo Voltage Stabilizers for customized applications to diversified clientele across India and abroad.
- The three phase oil cooled servo stabilizers of SANVI POWER assure trouble-free voltage regulation and thereby, play a wonderful role in power saving and management. With a customer-centric focus, we manufacture three phase oil cooled servo controlled voltage stabilizers with capacities ranging up to 1500kVA. Our products are preferably built with ultimate customization for indoor and outdoor applications.

Applications

- CNC & VMC Machines
- Industrial applications
- IT applications
- Automobile equipment
- Elevators
- Electrical Equipment
- Metal Processing Equipment
- Medical Equipment
- Motor Lab Equipment

Benefits of Three Phase Oil Cooled Servo Controlled Voltage Stabilizers

- Highly durable
- Affordable
- Able to withstand high capacities
- Capable of higher voltage stabilization



Protections

- Single Phasing Prevention
- Output Electronic Overload Protection
- Phase Reversal Protection
- Input Short Circuit Protection with MCB
- Input Overload Protection with MCB
- Output Low Voltage Protection
- Output High Voltage Protection
- Audio Alarm for Protections
- Surge suppressor Protections
- Bypass/Change over switch Protections



Metering on LCD Display

- Input Phase To Neutral
- Input Phase To Phase
- Output Phase To Neutral
- Output Phase To Phase
- Load Current in all Three Phase
- Frequency



Technical Specification

Capacity	60KVA to 1500KVA
Input Voltage Range	340v – 490v, 360v -480v, 300v – 500v(P to P)
Output voltage	380v / 400v / 415v AC (P to P)
System	Unbalanced Load Type
Operating Frequency	47 to 53 Hz
Connection	Star / Delta or Star / Star
Output Voltage Regulation	±1 % From No Load to Full Load
Overload Capacity	120% for 1 minute
Correction Speed	65 V/sec. (P to N), 115v / sec. (P to P)
Waveform Distortion	Nil
Effect of Load P.F. on O/P Volts	Nil
Insulation	Class "F"
Short Circuit Period and Percentage	300% for 250 milli sec
Operating Temperature	60 C°
Type of Cooling	Oil-Cooled up to 1500KVA
Servo Motor Drive Model-AC	AC Servo Synchronous step Motor
Duty Cycle	100% Continues Sinusoidal
Ambient	Up to 75c° Max above Ambient Relative Humidity up to 90%
Enclosure	CNC Based with Powder Coated
Efficiency	Better than 99% at Full Load
Environment	Designed for Indoor
Mounting	On Wheels
Earthing	Earthing terminals provided
Mode of System	Fully Automatic
Audio Alarm	For Tripping Conditions
Standard	Confirming to ISO: 9001-2015

Constant Voltage Transformer (CVT)

- The CVT uses the unique principle of ferro resonance operation of a transformer in the region of magnetic saturation. When the iron core of a transformer is in saturation, relatively large changes in winding current results in very small changes in magnetic flux. Winding current and magnetic flux are proportional to the input and output voltage, respectively. This means that relatively large changes in input voltage result in small changes in output voltage this being the fundamental purpose of an automatic voltage regulator.
- The ferro resonant action is a flux limiter rather than a voltage regulator, but with a fixed supply frequency it can maintain an almost constant average output voltage even as the input voltage varies widely. SANVI VEDANT POWER SOLUTION PVT LTD makes wide range of CVT including various features at very competitive rate.



Salient Features

- ▶ Proven technology
- ▶ High reliability
- ▶ Fast response
- ▶ Output short circuit protected
- ▶ Rugged industrial design
- ▶ Affordable price
- ▶ High efficiency products and very low electricity consumption as compared to local CVT



Applications

- ▶ Fax Machines
- ▶ Laboratory Equipments
- ▶ Scientific Instruments
- ▶ Heating Equipments
- ▶ Battery Charger & Rectifiers
- ▶ Photo Flash Equipments
- ▶ Transmitters
- ▶ Electronic Typewriters
- ▶ Epabx Systems
- ▶ Computers & Peripherals
- ▶ Telecommunications Power Supplies
- ▶ Signaling Instruments



Technical Specification

	Single Phase	Three Phase
Capacity	150 VA to 10 KVA	500 VA to 15 KVA
Input Voltage	170 V to 300 V	320-500 V AC
Output Voltage	230 V +- 1%	415 V AC +- 1%
Line Frequency	50Hz +- 2%	50Hz +- 2%
Display	Mains, output, volt meter with switch to read i/p & o/p voltage	Mains, output, volt meter with switch to read i/p & o/p voltage
Efficiency	90%(approx.) under full load conditions	90%(approx.) under full load conditions
Output wave form	Sinusoidal	Sinusoidal
Correction rate	250V/sec approx,/ < 4 ms	430V/sec approx,/ < 2.5 ms
Load Power factor	0.75% lag to 0.9% lead	0.75% lag to 0.9% lead
Ambient temperature	5 C to 50 C	5 C to 50 C
Transformer Type	Ferro Resonant	Ferro Resonant

Isolation Transformer

- SANVI VEDANT POWER SOLUTION PVT LTD is a power-based enterprise offering substantial safety solutions to your electric and electronic equipment. We are the best isolation transformer manufacturers in Gujarat, India. We provide quality isolation transformers to protect various sensitive and costly appliances used at houses, offices, hospitals, industries etc.
- The isolation transformers are designed with the same number of primary and secondary winding coils. So, there won't be voltage regulation and correction. However, they separate the load from the power supply during voltage imbalances and avoid unexpected hazards.
- SANVI VEDANT POWER SOLUTION PVT LTD manufactures single phase and three phase isolation transformers as per customers' requirements



Applications

- Analytical Instruments
- Biomedical Equipment
- Cell Phone Networks
- CNC Machines
- Garment Equipment
- Large Computer Installations
- Printing Machinery
- Remote Control Equipment
- Scientific Equipment
- Textile Machinery
- Telecommunication Equipment

Benefits

- ▶ Facilitate direct current power isolation
- ▶ Prevent the risk of electric shock
- ▶ Ensure safety during testing and servicing
- ▶ Enable scalable build of the units based on wound coils



Technical Specification

Input	Output	Rating Available
3 phase 415V AC	3 phase 415V AC	From 3 KVA to 500 KVA
1 phase 230V AC	1 phase 230V AC	From 1 KVA to 50 KVA
1 phase 230V AC	1 phase 110V AC	(As per user requirement)

System Construction	Delta / Star
Transformer Ratio	1:1 and 2:1
Regulation	Better than 3.5%
Power Factor	0.75 Lagging to Leading
Frequency	50HZ
VI Electric strength	2500
Insulation Resistance	More Than 1000 Mega Ohms
Capacitance Coupling	0.01 PF 100 b.b
Common Mode attenuation	100 b.b
Class of Insulation	Class "F"
Operating temperature	0°C to 45°C
Type of cooling	Air
Duty Cycle	Continuous
Lamination	CRNO/CRGO

Static Stabilizer

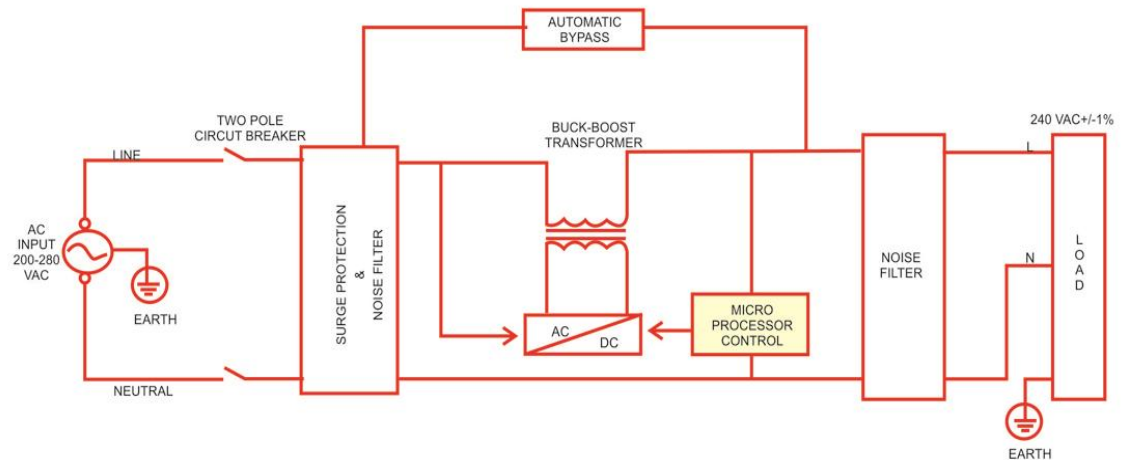
- Static Voltage Stabilizer is an IGBT Base PWM type buck-boost voltage stabilizer which has tight regulation and fast correction speed which is impossible to obtain using conventional methods such as Servo Voltage Stabilizer, SCR / Triac type stabilizer, Relay type stabilizer etc.
- This is an SMPS type voltage stabilizer for mains voltage (AC input and AC output). This is a new switching topology where PWM is made directly in AC to AC switching, without any harmonic distortion. In this topology there is no need to convert the AC input to DC and again convert it back to regulated AC output. This simplifies the design, reduces the component count and improves the efficiency and reliability. The power stage is an IGBT chopper control. The chopping frequency is around 20KHz which ensures absolutely silent operation and pure sine wave output (no waveform distortion).
- The control section is based on dsPIC controller which ensures quick correction of output which is not possible in conventional relay type stabilizer or servo controlled stabilizer. The circuit is having LCD for display which will show all parameters like: input voltage, output voltage, connected load, etc.

- Since the circuit is fully solid state (no mechanical or moving parts) there will not be any wear and tear like the brush wear in servo stabilizer or relay degrading in relay based stabilizer.
- This is specially useful in place where we need very fast correction speed, constant output voltage, overload current limiting and short circuit protection, soft start, high voltage cut-off and low voltage cut-off, automatic bypass, no wear and tear, long life and maintenance free which is impossible with other conventional relay type or servo control stabilizer

Capacity

Single Phase :- 5KVA to 25 KVA

Three Phase :- 15KVA to 200KVA



Features

- Direct AC-AC conversion Without rectifying to DC improves the efficiency, reliability & reduces the components.
- Rapid cycle by cycle correction of output.
- Output Regulation of +/- 1% which is impossible in conventional.
- No distortion in output waveform.
- Overload cutoff and short circuit cutoff
- Over voltage and under voltage cutoff
- Automatic bypass incase of failure

Applications

- CNC Machines
- Textiles Machines
- Laser Cutting Machines
- Robotics Machines
- Food Processing Machines
- Injection Molding Machines
- Printing & Packaging Machines
- Automated Petrol Pumps & Dispensers
- Medical, Diagnostics & Hospital Equipment
- Lighting Loads, Home Appliances

Technical Specifications

Technology	High Frequency 20 KHz IGBT - PWM Based Technology
Type of Connection	Star Connection - R, Y, B, N & G.
Type of System	Unbalanced 4 Wires
Standard Input Voltage Range	360V - 470V Phase to Phase & 207V - 270V Phase to Neutral
Standard Output Voltage	415V +/- 1% Phase to Phase & 240V +/- 1% Phase to Neutral
Output Adjustable	380V to 420V AC in 3 Phase
Optional Voltage Range	Will Be Available On Demand And Can To Be Arranged As Per Requirements
Response Time	Within 10 Mili Second
Correction Speed	Very Fast, Instantaneously Within 20 Mili Second,i.e. Within One Waveform
Frequency Range	43Hz To 63Hz
Efficiency	≥ 97 % (With 20% To 100% Load Conditions)
Display	Digital Display, LCD Type - Micro Controlled Based
Readable Facility	Input & Output Voltage, Current And Frequency Readable
Trip And Restart	Auto / Manual
Nature Of Cooling	Natural- Air Cooled/ Fan Forced-Cooled
Duty Cycle	Continuous
Waveform Distortion	Nil
Ambient Temperature	0°C to 50°C Centigrade
Enclosure	IP 20, Class Of Protection
Surge Protection	In-built Class 2 Surge Protection MOV Based
Noise Filter	In-built Through Filter Capacitor

Automatic Voltage Regulator

- Automatic Voltage Regulator is an electronic device that maintains a constant voltage level to electrical equipment on the same load. The AVR regulates voltage variations to deliver constant, reliable power supply.
- The automatic voltage regulator is used to regulate the voltage. It takes the fluctuate voltage and changes them into a constant voltage. The fluctuation in the voltage mainly occurs due to the variation in load on the supply system. The variation in voltage damages the equipment of the power system. The variation in the voltage can be controlled by installing the voltage control equipment at several places likes near the transformers, generator, feeders, etc., The voltage regulator is provided in more than one point in the power system for controlling the voltage variations.



Wall Mounting

Features

- Input range 90V-300V to 140V-290V to 140V-290V, Output 230V \pm 8%
- Copper & Aluminum wound Buck/Boost transformer as per requirement
- Static voltage regulation
- Built-in High-Low voltage cutoff
- Digital Volt and Ampere meter for reading*
- Attractive front panel
- Wall Mounting Model also available from 0.5KVA to 5KVA

Applications

- 0.5KVA : For Television & Fridge or equivalent load
- 1KVA : For Water cooler /cooler, 1200 litter fridge
- 2KVA : For deep freezer or equivalent load
- 3KVA : For 0.75 ton AC or
any other machine of equivalent load
- 4KVA : For 1.5 ton AC or equivalent load
- 5KVA : 2 ton AC or equivalent load
- 10KVA : All house equipments load



Table Top model

Technical Specifications

Capacity	0.5 KVA to 10 KVA
Input Voltage	170V-290V, 140V-290V, 90V-300V
Output Voltage	230 V \pm 8%
Output Freq.	50HZ \pm 3%
Correction Rate	10 V per sec
Indications	Mains "ON", high-low-normal voltage
Voltmeter	Digital, analog

Manual Voltage Stabilizer For Sound System

- In a voltage stabilizer, voltage correction from over and under voltage conditions is performed through two essential operations, namely boost and buck operations. These operations can be carried manually by switches or automatically through electronic circuitry.

Features

- Input range 100-290, 130-290 & 160-290
- Output voltage adjustable
- Output voltage adjustable Buck/Boost transformer as per requirement
- Attractive front panel
- High voltage cut-out
- Powder coated cabinet



Technical Specifications

Capacity	5 KVA to 15 KVA
Input Voltage	170V-290V, 140V-290V, 90V-300V
Output Voltage	Adjustable
Output Freq.	50HZ \pm 3%
Indications	Mains "ON", High Voltage cutoff , Overload Indication
Voltmeter	Analog or Digital*
Efficiency	>95% at EL

Battery Charger

Sanvi Vedant Power solution 12 Volts 7 Amps Battery Charger with 7 AH to 220 AH Automatic Battery Charging Capacity for Tabular Inverter AMF Panel Bike Truck UPS Car Toys

CHARGING PROGRAM

Fully-automatic and more intelligent - Detect the defective battery before charge, Automatic detection of battery salvation and acid stratification, Constant pulse current maintenance - with zero overcharge, bring batteries back to life. Even Capable of recharging severely discharged or heavily sulfated battery.

SAFETY PERFORMANCE

Has been updated to a safety function, which can be activated when the charger is placed anywhere to protect batteries from overcharging. Multi-protects of short circuit, overload / reverse polarity, can avoid overcharge and discharge.

EASY TO USE

Multi-purpose deep cycle battery charger - LCD screen displays charging voltage/current, charging mode, battery type and percentage of power remaining, make you clearer and easier to read all data. It can also charge batteries. Just for a longer charging time. Full load and burn-in tests prove its high reliable efficiency and stable performance.

ALL IN ONE

Battery Charger automotive is fully-automatic and smart, It's smaller but delivers more power. It's the all in one solution battery charger and battery maintainer.

LED Indication

RED	POWER ON
GREEN	CHARGING ON
YELLOW	CHARGING CUT-OFF
BLUE	Reverse Battery
WHITE	NO LOAD





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Contact us



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Customer Support

Monday – Saturday
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