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Certified Company

MSME

सूक्ष्म , लघु एवं मध्यम उद्यम
MICRO, SMALL & MEDIUM ENTERPRISES
UDYAM-AS-03-0043866



POWERVOLTTM
THE MOST RELIABLE VOLTAGE SYSTEM



CORE FEATURES



Voltage Adjustments with High Efficiency

Under stern instances of imbalanced voltage or current, it produces a fully stable output.



Surge Protector

Equipped with a surge suppressing device to protect electronic equipment against voltage spikes occurring inside the alternating current (AC) utility lines.



Cost-Effective Power

Comes with a rating that ranges between 10KVA to 1000KVA that promises stable power supply at minimal costs.



Adjustable Output Voltage

Engineered with an option to adjust fluctuating voltage outputs, the device helps in reducing the failure rate of electrical equipment.



Improved Operational Life

The device has a long lifespan even when used at full loads in comparison to conventional make servo voltage stabilizers.



AIR COOLED SERVO STABILIZER

Servotech's Air-cooled Servo Stabilizer is a device with three-phase air cooling available with capacities ranging up to 250kVA. This environment-friendly, cost-effective device offers an efficiency of >95%.



OIL COOLED SERVO STABILIZER

Servotech's Oil-cooled Servo Stabilizers change the level of voltage in a clockwise or anticlockwise manner using a strong AC synchronous motor for precise voltage management. These three-phase stabilizers have a long-lasting motor-controlled stabilization technology that ensures safe voltage delivery.

TECHNICAL SPECIFICATION

TECHNICAL PARAMETERS	SINGLE PHASE	THREE PHASE	CUSTOMIZED
Rating : 2 kva to 2000 kva	2 KVA to 60 KVA	10 KVA to 2000 KVA	
Input Voltage Range	190 V – 280 V AC	329 V – 480 V AC	As per client requirement
	170 V – 280 V AC	294 V – 480 V AC	
	150 V – 280 V AC	259 V – 480 V AC	
	130 V – 280 V AC	225 V – 480 V AC	
	110 V – 280 V AC	190 V – 480 V AC	
	90 V – 280 V AC	155 V – 480 V AC	
Output Voltage	230 V	400V	Yes
Output Adjustable	220 – 240 V AC)	380 – 415 V AC	Yes
Output Regulations	± 2%	± 2%	Yes
Type	Unbalanced Type		Yes
Insulation	Class A / Class B		Yes
Vector Group	Star / Star , 3 Phase + Neutral		Yes
Frequency Hz	47 Hz -53 Hz		Yes
Nature of Cooling	Air Cooled Servo Stabilizer		Yes
	Oil Cooled Servo Stabilizer		Optional
Construction	Variable Auto Transformer + Buck Boost Transformer + Servo Motor		Yes
Effect of Power Factor	Nil		Yes
Wave Form Distortion	Nil		Yes
Control Circuit	Micro Controller Based Digital Circuit and Control		Yes
Response Time	10 ms or As per IS 9815 Standards		Yes
Voltage Correction Rate for Air Cooled Servo Stabilizer	15 -20 Volts / Sec		Yes
Voltage Correction Rate for Oil Cooled Servo Stabilizer	8 -12 Volts / Sec		Yes
Metering	Seven Segment Display		Yes
General Efficiency of our Servo Stabilizer	Better than 95 % or As per IS 9815 Standards		Yes
Ambient Temperature	0 – 55 Degree C		Yes
Protection	Under / Over Voltage Cut off Protection		Yes
	Single Phase Prevention		Yes
Optional Protection	Overload / Short Circuit Protection		Optional
	Manual Bypass – Changeover		External In Higher Capacity
	Input MCB/MCCB		Optional
Installation Type	Indoor		Yes
	Outdoor		Optional

*Due to continuous improvement technical specifications & product image can change without prior notice.

TECHNICAL SPECIFICATION ULTRA ISOLATION TRANSFORMER

SPECIFICATION	SINGLE PHASE	THREE PHASE
INPUT		
Capacity	1 KVA 1 Ph. and Up to 50 KVA 1 Ph.	3 KVA 3 Ph. and up to 1500 KVA 3 Ph.
Nominal input voltage	230 V AC Single Phase	415 V AC Three Phase
Operating Frequency	47 – 53 Hz	47 – 53 Hz
System Connections	Delta/Star, star/delta, star/star	Delta/Star, star/delta, star/star
Input circuit breaker	Provided (with limited inrush current capability)	Provided (with limited inrush current capability)
Ac connection	Terminal block (Lin ,Nin and ground wires) provided	Terminal block (L1in,L2in,L3in ,Nin and ground wires) provided
OUTPUT		
Nominal output voltage	230 V AC 1 Ph. 110 V AC 1 Ph.	415 V AC 3 Ph. 220 V AC 3 Ph.
Output Voltage Regulation	230± 1%	415± 1%
Automatic bypass	Automatic bypass activates in case of of a fault condition	Automatic bypass activates in case of of a fault condition
Ac connection	Terminal block (Lo ,No and ground wires) provided	Terminal block (R,Y,B ,Nin and ground wires) provided
Panel Indications	Input – On Output –On	Input – On Output –On
Mode of system	Fully automatic / manual	Fully automatic / manual
Protections	Overload protection with MCB / MCCB Short Circuit protection Single Phasing preventer	Overload protection with MCB / MCCB Short Circuit protection
Environment		
Ambient Temperature	0°C to 45°C	0°C to 45°C
Cabinet cooling method	Air	Air / Oil
SAFETY		
PHYSICAL(W*H*L)		
WARRANTY		



SERVO STABILIZER

MAIN FEATURES

- Specially designed high performance controller based control circuit for ultra high reliability.
- All parameter like O/P V, I/P V high, low cut off, time delay, overload, set by front control panel.
- High efficiency $\geq 98\%$
- Fast correction speed up to 60 V / Sec. variable speed servo motor and proportional control circuit provide a response time of 10msec to correct voltage fluctuations without noise or oscillations in output.
- Accuracy $\pm 1\%$ from no load to full load
- Auto / manual operation facility.
- Plug and play single control card for easy serviceability.
- Reduced power loss and resultant lower running cost yield higher cost savings and help the customer recover the cost difference in few months.

- Relay Voltage Stabilizer (Single & Three Phase High- Cut With Delay System)
- Servo Control Voltage Stabilizer (Single & Three Phase High- Cut With Delay System)
- Uninterrupted Power Supply (UPS)
- Constant Voltage Transformer (CVT)
- Isolation Transformer (ITX)
- Mosfet Based Battery Inverter
- High Frequency Inverter For Tube-light
- Battery Charger
- Static Switch

XA50

Capacity 500VA, automatic relay controlled voltage stabilizer. Input voltage range 130V-280V. Output 220V-240V±9% Load current 1.8 Amps. (other models with same look XA90 &XA 50)

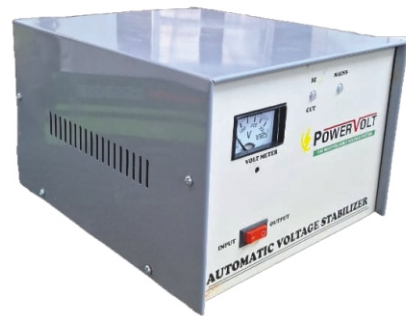


AA50

Capacity 2KVA, automatic relay controlled voltage stabilizer. Input voltage range 130V-280V. Output 220V-240V ±9% Load current 7.5 Amps. (other models with same look AA90 & 50)

CA50

Capacity 3KVA, Input voltage range 130V-280V. Output 220V-240V ±9%. Automatic relay controlled voltage stabilizer. Maximum output current 11.5 Amps. With delayed output and high-low cutoff system. (other models with same look CA90 & 50)



DA50

Capacity 5KVA. Input voltage range 130V-280V. Output 220V-240V ±9%. Automatic relay controlled voltage stabilizer. Maximum output current 20.5 Amps. (other models with same look EA90 & 50)

EM50

Capacity 5KVA, 8 pole rotary operated auto-cut manual voltage stabilizer. Input voltage range 90V-300V, Output 220V ±5%. Maximum output current 19 Amps. (other models with same look EM90, 50 & 20)



GA50

Power handling capacity 7KVA. Relay controlled automatic voltage stabilizer. Input voltage range 90V-260V. Output 220V ±9%. Maximum output current 25 Amps. (other models with same look Ga90 & 50)



JA130

Capacity 10KVA. Relay controlled automatic voltage stabilizer. Input voltage range 130V-280V, Output 220V-240V $\pm 9\%$. Maximum output current 36 Amps. (other models with same look JA 90 & 50)

WALL HANGING

Capacity 4KVA, Input voltage range 140V-280V, Output Voltage range 220V-240V $\pm 9\%$. Automatic relay controlled voltage stabilizer. Maximum output current 14.5 Amps. Most decorative look. Specially used for Air conditioner in room on the wall.



Constant Voltage Transformer



Ferro resonance Constant Voltage Transformer. No moving part inside. 100% sine-wave output. Maximum 41% input voltage Fluctuation absorbing capacity. Voltage correction time 20m Sec. 100% spike, noise & transient protection. Max. 2.5% harmonic distortion. Output voltage regulation $\pm 1\%$, Output can be set anywhere at 210V, 220V, 230, or 240V. Totally isolated output from input. Available in 50VA-5KVA models.

1 Phase Servo Voltage Stabilizer

This is precision AC Servo Motor controlled voltage stabilizer. Output voltage is as accurate as 220V, 230V, or 240V $\pm 1\%$ at full load condition. Speed of correction 25V/Sec. Voltmeter to indicate input and output voltage. Buzzer sound to indicate over and under voltage limits of input voltage. Manual setting facility of output voltage. Over load protected. Available from 2KVA to 20KVA models in single phase.



Mosfet Base Digital Inverter



PWM Mosfet Technology. Phase controlled constant current charging system. Direct cut out of charging at full charged conditions of battery. Delay system for charging during change over time to protect Mosfets. Full Function LED indication on display. Over load and deep discharge control. Auto reset in case of overload. Mosfet cooling by fan.(other capacity with same look 300, 500, 650, 850 & 950VA) Input : AC (130-260)V AC 5volts Frequency 49 to 50 Hz. Output voltage on mains mode : Same As input O/P Voltage on Inverter Mode : 200-245 AC/O/P Frequency on Inverter Mode : 50Hz \pm 0.1% LED Indication : Mains on Inverter on, Charging Battery Low Voltage, Battery Full Charged, Over Loaded Switching from mains to Inverter : Automatic Efficiency :More than 90%, Inverter Overload :110%

3 Phase Servo Voltage Stabilizer

This is AC Servo Motor controlled 3 phase voltage stabilizer. It's application mainly in any industry or institution, where any 3 phase instrument or a series of instruments are facing trouble due to fluctuation of mains voltage. Power handling capacity 6KVA to 1000KVA. Both air cooling or oil cooling system can be applied. Input voltage range is phase to phase from 225V to 468V. Output can be set at any where from 380V to 415 \pm 1%. It has a short-circuit and over load protection in each phase by using appropriate rated circuit breaker. 72sq.mm voltmeter is provided in each stage of monitor input and output voltages. On the front panel of each phase, there is a SPDT switch for selecting Manual/Auto setting by pressing push-to-on switch. A Speaker for bazaar sound when input voltage becomes low or high in-respect to its range. On the front panel of the control unit there is 96sq.mm voltmeter to monitor the 3 phase resultant O/P and I/P voltages by rotating a 2 pole 3 way rotary Cam switch. The glow of red, green and yellow LED indicates the presence of respective phases. single phase preventer, high-low voltage cut-off and delayed output facilities are also can be implemented. Four wheel are also used in the higher capacity models to move the unit easily on the floor..



Our Products



Servo Control Voltage Stabilizer
(Singh Phase)



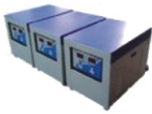
3 phase Servo Control Voltage
Stabilizer



48 Volt Battery Charger



Isolation Transformer



Servo Control Voltage Stabilizer



3 phase Isolation Transformer



3 KVA Isolation Transformer



Automatic voltage stabilizer



10 KVA Servo Control Voltage
Stabilizer



1KVA Automatic voltage stabilizer



SMPS battery charger 48Volt DC



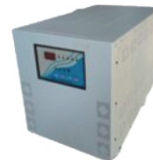
Inverter, 950VA, 12 Volt DC



Isolation transformer, 15 KVA 3phase



100 KVA Servo control voltage
stabilizer



7.5 KVA Servo Control Voltage
Stabilizer



15KVA Servo Control Voltage
Stabilizer 3phase

POWERVOLT

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AC Stabilizer