



Fast Correction
Precise Regulations



ABOUT STATIC TECHNOLOGY

We under the company name ,V-STATIC POWER is engaged SINCE 2023 -in manufacturing the Complete IGBT BASED STATE OF ART technology in POWER FIELD called as STATIC POWER STABILIZER from 1 KVA to 200 KVA by regulating Voltage @ 20000 times/ second against Low/High Voltages & having extra protection MICROPROCESSOR based system in built against Input Power hazards like ,Spikes Surges ,Voltage sag & Swell, neutral floating etc .So as to feed the complete pure POWER DIET to your MOST EXPENSIVE ELECTRONIC ,MICROPROCESSOR BASED MACHINERY which runs under strictly STABLE POWER INPUTS . That enhances the productivity of machinery, Zero faults due to desired power quality ,Maximum Savings in replacement & repairing of cards ,power savings ,no overheating of components ,no ageing effect on sensitive components & stretching the life of machinery for long time.

TECHNOLOGY AT PAR with ONLINE UPS & SIZEABLE MINIMIZING CAPITAL COST

STATIC Stabilizer technology which we developed & designed is a solid state IGBT based (No Moving Parts) technology and at par with online UPS & It may be a completely very much low cost replacement of online UPS where you do not have any backup requirement ...& that will reduce your sizeable capital cost & no recurring cost like battery & low cost of maintenance in long run..

MISSION

We will not leave no stone unturned to provide a highly efficient & fully protective Static Technology by continuous improvement against all power hazards to the customers & want to expand our sales & service network throughout India through techno craft dealer network & wants to be true manufacturer & solution provider in Static Stabilizer Technology

APPLICATION

Machineries like Metal Laser Cutting ,Plastic Injection moulding Machines, Offset Printers, Jewellery Making machines, 3D Printing Machines, Packing Machinery, Textile machinery, CNC/VMC machineries, Power Plants, PLC controlled machine, Medical Instruments, Elevators/Lift, Analytical Instruments, Calibration Machineries & for factory as a comprehensive protection of expensive, sensitive appliances, Instruments & Machineries.



STATIC STABILIZER

1 PH - 3 KVA To 70 KVA, 3 PH 6 KVA To 200 KVA



KEY FEATURES

- Digital Signal Processor.
- Voltage Regulation within $\pm 1\%$.
- Fully Contact less Power Path.
- Instant Correction within 20 ms.
- 1:10 ratio Crest Factor.
- High Efficiency / Soft Start.
- Low Impedance.
- Natural Air cooled.

SPECIAL FEATURES AT INPUT

- True RMS Measurement & Correction
- Voltage & Current Measurement
- Power Factor & Phase Angle Measurement
- Earth Voltage Measurement & Cutoff (ELCB)
- KVA & KW Measurement , Frequency Measurement
- Three window Tripping for Low/High Voltage and Overload
- Frequency Low/High Cutoff
- Phase Reversal Protection
- Neutral Missing Indication & Trip
- Contactor Failure Indication & Trip
- 200 Trip Logs Entry
- Real Time & Date Display
- Trip Logs with Date and Time
- Single Phase Prevention

**VSPS SERIES - 3 KVA TO 10 KVA (1 PHASE) $\pm 15\% \pm 20\%, \pm 25\%$
15 KVA TO 20 KVA (1 PHASE) $\pm 15\% \pm 20\%$**

FAST CORRECTION- PRECISE REGULATION

V-Static Power Automatic Precision Voltage Regulator allows fast voltage correction using high frequency Insulated Gate Bipolar Transistor (IGBT) controlled through continuous PWM topology. It takes input voltage, measure against the nominal voltage and add or subtract voltage within 20 millisecond (20000 times per second), provides precise output voltage within $\pm 1\%$ range.



SPECIFICATION OF VSps SERIES

1 PH IN - 1 PH OUT - 3 KVA TO 20 KVA

Model	VSps3000	VSps5000	VSps7500	VSps1000	VSps15000	VSps20000
Topology	DSP Controlled IGBT based Static Voltage Stabilizer.					
Input Power	1 Phase Input- 1 Phase Output					
Capacity	3 KVA	5 KVA	7.5 KVA	10 KVA	15 KVA	20 KVA
INPUT						
Input Voltage Window	15%-190-270V, 20%-180-280V, 25%-170-290V AC					
Maximum Rated I/P Current	16A	27A	40A	54A	79A	105A
Nominal Frequency	47-60Hz					
AC Connection	Terminal Block LNG Three Wire					
OUTPUT						
Nominal Output Voltage	230 VAC					
Voltage Regulation	± 1 % V					
Power Efficiency	Typically Over 97% (20%-100% Load Condition)					
Maximum Rated O/P Current	12A	22A	32A	43A	65A	87A
ENVIROMENT						
Ambient Temperature	0Ċ-45Ċ 10 to 90% RH non Condensing					
COOLING	Forced Air Cool					
DISPLAY						
LCD Display	4 Line LCD display Showing input, output Voltage, Load %, Fault Annunciation					
PROTECTION						
Standard & Safety	Design to meet UL 60905-1 Standard Protection Class IP-20					
OV/ UV	Electronics cutoff Over/ Under Voltage & phase missing					
Overload & Shortcircuit	CT based Electronics Cutoff with grade Time-delay Set 110% at rated full load current, Input Circuit Breaker.					
Soft-start	This features ensure that output voltage is never higher than input voltage upon switch ON before it commences full stabilization					
Manual Bypaas	Provided					
Surge Test Condition	As Per Class 2 Surge (Combination Weaves)					
Surge let through Voltage	8×20μs upto 40 Ka waveform L-N< 460V					
Reset Mode	Manual & Auto reset provided					
Mounting	Wheel Mounted with breaks					
Enclosure	MS Powder coated					



**VSPM SERIES - 10 KVA TO 40 KVA (3 PHASE) $\pm 13\%$ / $\pm 15\%$ / $\pm 20\%$
50 KVA TO 60 KVA (3 PHASE) $\pm 13\%$ / $\pm 15\%$**

FAST CORRECTION- PRECISE REGULATION

V-Static Power Automatic Precision Voltage Regulator allows fast voltage correction using high frequency Insulated Gate Bipolar Transistor (IGBT) controlled through continuous PWM topology. It takes input voltage, measure against the nominal voltage and add or subtract voltage within 20 millisecond (20000 times per second), provides precise output voltage within $\pm 1\%$ range.



SPECIFICATION OF VSPM SERIES

3 PH IN - 3 PH OUT - 10KVA TO 60 KVA

Model	VSpn10000	VSpn15000	VSpn20000	VSpn25000	VSpn30000	VSpn40000	VSpn50000	VSpn60000
Topology	DSP Controlled IGBT based Static Voltage Stabilizer.							
Input Power	3 Phase Input- 3 Phase Output							
Capacity	10 KVA	15 KVA	20 KVA	25 KVA	30 KVA	40 KVA	50 KVA	60 KVA
INPUT								
Input Voltage Window	±13% - 360V-470V, ±15% - 360V-480V, ±20% - 330V-500V							
Maximum Rated I/P Current	16A/17A/18A	24A/25A/27A	32A/34A/36A	40A/41A/45A	47A/50A/54A	63A/66A/72A	78A/83A	94A/99A
Nominal Frequency	47-60Hz							
AC Connection	Terminal Block L1,L2,L3, N-G Five Wire							
OUTPUT								
Nominal Output Voltage	400 V AC , 415 V AC							
Voltage Regulation	± 1 % V							
Power Efficiency	Typically Over 97% (20%-100% Load Condition							
Maximum Rated O/P Current	14A	21A	28A	35A	42A	56A	70A	84A
ENVIROMENT								
Ambient Temperature	0C-45C 10 to 90% RH non Condensing							
COOLING	Forced Air Cool							
DISPLAY								
LCD Display	4 Line LCD display Showing input, output Voltage, Load %, Fault Annunciation							
PROTECTION								
Standard & Safety	Design to meet UL 60905-1 Standard Protection Class IP-20							
OV/ UV	Electronics cutoff Over/ Under Voltage & phase missing							
Overload & Shortcircuit	CT based Electronics Cutoff with grade Time-delay Set 110% at rated full load current, Input Circuit Breaker.							
Soft-start	This features ensure that output voltage is never higher than input voltage upon switch ON before it commences full stabilization							
Manual Bypaas	Optional							
Surge Test Condition	As Per Class 2 Surge (Combination Weaves)							
Surge let through Voltage	8×20μs upto 40 Ka waveform L-N< 460V							
Reset Mode	Manual & Auto reset provided							
Mounting	Wheel Mounted with breaks							
Enclosure	MS Powder coated							



VSPH SERIES - 60 KVA TO 100 KVA (3 PHASE) $\pm 13\%$ / $\pm 15\%$ / $\pm 20\%$
125 KVA TO 150 KVA (3 PHASE) $\pm 13\%$ / $\pm 15\%$
175 KVA TO 200 KVA (3 PHASE) $\pm 13\%$

FAST CORRECTION- PRECISE REGULATION

V-Static Power Automatic Precision Voltage Regulator allows fast voltage correction using high frequency Insulated Gate Bipolar Transistor (IGBT) controlled through continuous PWM topology. It takes input voltage, measure against the nominal voltage and add or subtract voltage within 20 millisecond (20000 times per second), provides precise output voltage within $\pm 1\%$ range.



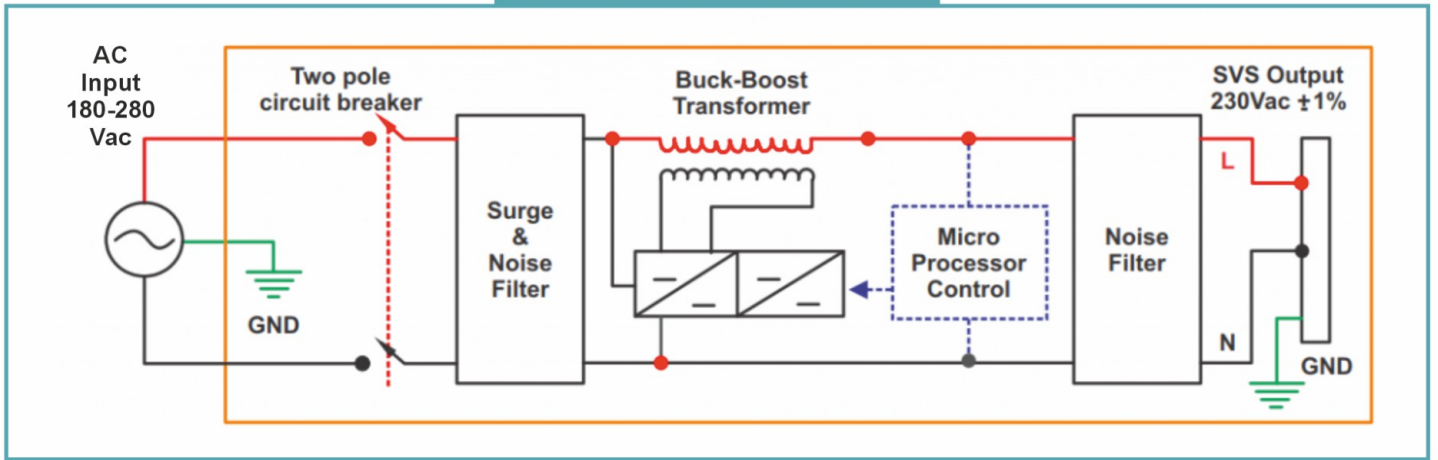
SPECIFICATION OF VSPH SERIES

3 PH IN - 3 PH OUT - 60 KVA TO 200 KVA

Model	VSph60000	VSph75000	VSph100000	VSph125000	VSph150000	VSph175000	VSph200000
Topology	DSP Controlled IGBT based Static Voltage Stabilizer.						
Input Power	3 Phase Input- 3 Phase Output						
Capacity	60 KVA	75 KVA	100 KVA	125 KVA	150 KVA	175 KVA	200 KVA
INPUT							
Input Voltage Window	±13% - 360V-470V, ±15% - 360V-480V, ±20% - 330V-500V						
Maximum Rated I/P Current	94A/99A/107A	116A/123A/133A	157A/165A/180A	196A/207A	235A/248A	273A	312A
Nominal Frequency	47-60Hz						
AC Connection	Terminal Block L1,L2,L3, N-G Five Wire						
OUTPUT							
Nominal Output Voltage	415 V AC						
Voltage Regulation	± 1 % V						
Power Efficiency	Typically Over 97% (20%-100% Load Condition)						
Maximum Rated O/P Current	84A	104A	140A	175A	210A	245A	280A
ENVIROMENT							
Ambient Temperature	0C-45C 10 to 90% RH non Condensing						
COOLING	Forced Air Cool						
DISPLAY							
LCD Display	4 Line LCD display Showing input, output Voltage, Load %, Fault Annunciation						
PROTECTION							
Standard & Safety	Design to meet UL 60905-1 Standard Protection Class IP-20						
OV/ UV	Electronics cutoff Over/ Under Voltage & phase missing						
Overload & Shortcircuit	CT based Electronics Cutoff with grade Time-delay Set 110% at rated full load current, Input Circuit Breaker.						
Soft-start	This features ensure that output voltage is never higher than input voltage upon switch ON before it commences full stabilization						
Manual Bypaas	Optional						
Surge Test Condition	As Per Class 2 Surge (Combination Weaves)						
Surge let through Voltage	8×20µs upto 40 Ka weaveform L-N< 460V						
Reset Mode	Manual & Auto reset provided						
Mounting	Wheel Mounted with breaks						
Enclosure	MS Powder coated						



V-STATIC ARCHITECTURE



"FACTORY"

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