

**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	0Ĉ-45Ĉ 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					

