

# STATIC STABILIZER

3 PHASE-AIR COOL- 60KVA TO 200KVA





# TECHNICAL SPECIFICATIONS



Model	VGES60000	VGES75000	VGES100000	VGES125000	VGES150000	VGES175000	VGES20000
Topology	IGBT based						
Input Power	3 Phase Input -3 Phase Output						
Capacity	60KVA	75 KVA	100KVA	125 KVA	150 KVA	175KVA	200 KVA

## INPUT

Input Voltage Window	±135- 360V - 470V, ±15% - 360V-480V,±20% - 330V - 500V						
Max Rated I/P Current	94A/99A/107A	116A/123A/133A	157A/165A/180A	196A/207A	235A/248A	273A	312A
Normal Frequency	47-55Hz						
AC Connection	Terminal Block L1,L2,L3,N-G Five Wire						

## OUTPUT

Output Voltage	400V AC, 415 V AC						
Voltage Regulation	±1 V						
Power Efficiency	97%						
Max Rated O/P Current	84A	104A	140A	175A	210A	245A	280A

## ENVIRONMENT

Ambient temperature	0°C to -45°C, 10 to 90% RH non-condensing
COOLING	Forced Air Cool

## DISPLAY

LCD Display	4 Line LCD display Showing input, output Voltage, Load % Fault annunciation
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## PROTECTION

Standard & Safety	Class IP-20
OV/UV	Electronic Cutoff Over/Under Voltage & Phase missing
Overload & Short-circuit	CT-based electronic cutoff with time-delay setting, triggered at 110% of rated full load current, integrated with an input circuit breaker.
Soft-start	At switch-on, the device ensures the output voltage does not surpass the input voltage until stable conditions are reached.
Manual Bypass	Optional
Surge Test Condition	As per Class 2 Surge (Combination Weaves)
Reset Mode	Manual & Auto reset provided
Mounting	Wheel Mounted with breaks
Enclosure	MS Powder coated

## KEY FEATURES

Power Factor and Phase Angle Analysis

KVA & KW Measurement with ELCB-Based Cutoff

Triple Window Protection for Overload and Voltage (Low/High) Trips

Frequency Monitoring with High/Low Cutoff Function

Phase Reversal Detection and Protection

Neutral Missing Detection with Auto Trip

Contactor Failure Detection and Tripping

200 Event Trip log entry

Detailed Trip Logs with Timestamp

Single-Phase Fault Prevention Mechanism