

**Stable Power Quality that you can Trust
from Bharath's No.1 Stabiliser Manufacturing Company**

**Servo Controlled
Voltage Stabilisers - 3 phase**



True RMS Correction

- Microprocessor based control system for measurement and correction
- Digital Voltage, Current & Frequency display



High-efficiency

- Stabilisers designed to its rated capacity
- Underrating of Stabiliser decreases efficiency and compromises long term reliability



Complete Protection

- Short Circuit, Under voltage, Over voltage & Electronic CT based Overload trip
- Single Phasing & Phase Reversal trip
- Built-in Spike Suppressor
- Optional Input High Voltage Trip



After Sales Support

- 'No-Questions-Asked' guarantee
- Wide service network covering 100 + locations across India
- Service response within 6 hours in service towns and within 24 hours in the same State

Specification		
PARAMETER	3 PHASE UNBALANCED AIR COOLED	3 PHASE UNBALANCED OIL COOLED
Rating (kVA)	3 kVA - 150 kVA	3 kVA - 4000 kVA
Type of Cooling	Air	Oil
Input Voltage Range (V L-L)*	310 V - 480 V / 340 V - 480 V / 360 V - 460 V / 360 V - 480 V	
Output Voltage Range (V L-L)*	415 V (380 V / 400 V - optional)	
Output Voltage Regulation	1% of nominal output voltage	
Input Frequency Range	47 Hz - 53 Hz	
Efficiency	> 98%	
Effect of Load Power Factor	Nil	
Waveform Distortion	Nil	
Type of Servo Control	Micro Controller based True RMS sensing and correction	
Servo Motor Drive	Triac based drive for AC step synchronous motor	
Under / Over Voltage Cutoff *	Electronic cutoff circuit with graded time delay, set @ +5% / -10% of nominal output voltage	
Overload Cutoff	CT based electronic cutoff circuit with graded time delay set @ 110% of rated full load current	
Short Circuit Protection	MCB / MCCB provided up to 100 kVA; HRC fuse provided for 125 - 175 kVA; Optional >200 kVA	
Single Phasing Prevention	Provided in AU / OU models only; Not provided in the AR / OR models	
Phase Reversal Trip	Provided in AU / OU models only; Not provided in the AR / OR models	
Stabiliser Bypass	Provided up to 50 kVA 3 - phase; Optional > 50 kVA	
Transient Suppression	Spike suppression through MOV is provided (Surge Arrestor is optional)	
Emergency Off Switch	Provided in AU / OU models only; Not provided in the AR / OR models	
Frequency Cutoff Protection	Optional	
Input High Voltage Trip	Optional	
Resetting Mode	Manual / Auto option provided with programmable time delay	
Display Type	2 line LCD panel	
Parameters Displayed	Input & Output Voltages (Line & Phase), Output Currents & Frequency	
Input / Output Terminations	Bolted terminals up to 100 kVA, Busbar 125 kVA & above	
Standards	IS 9815 (Part -1); 1994	

*Custom settings or range possible