

# Stabilizer

## Three-phase

### Series HT39000 (30 ~ 800 KVA)

Three Phase Servo Voltage Stabilizer 380V input model is a three-phase compensation with high-precision regulator, cabinet type. Further more, It comes with LED digital display design and also compensated structure voltage regulation. In addition to this, It is mainly composed of voltage regulation transformer and compensation transformer. Besides, it is also characterized by enough power that can achieve relatively large power and maintain high precision output.

In addition to what has been mentioned above, the input voltage range (especially the minimum voltage) is very wide. The regular voltage stabilizer cannot handle extreme low and unbalance voltage but this models can handle them conveniently. Furthermore, even if those can reluctantly work, the output is de-rated a lot due to low voltage and high current situation. A special voltage stabilizer with a step-up transformer can somehow solve the problem, but it has the disadvantages of high cost, low efficiency and more space occupation.

In addition, our specially designed HT39000 series of Three Phase Servo Voltage Stabilizer 380V input, adopts patent regulator that copes with low input voltage, and output voltage regulated to rated 220V without de-rated input power. Similarly, its high cost effective, reliability, high performance and long lifetime are all backed by a world class manufacturer with decades of mains power experience. Subsequently, It is applied for any load like telecom, medical, industrial and household applications.

#### Three Phase Servo Voltage Stabilizer Applications

Above all, the Three Phase Servo Voltage Stabilizer 380V input, is widely used in lots of places and not limited to industries and mining enterprises, printing companies, machine tools, post and telecommunications business, railways, construction sites, schools, hospitals, hotels, defence ministries, scientific research centres and other departments of electronic computers, precision machine tools, precision instruments, experimental devices, elevators and production lines.



#### specifications

- Extremely wide voltage regulation range
- Maintenance free roller type carbon brush
- Individual regulation with unique small dimension
- High Mean time Between Failure (MTBF)
- Reliable and quiet servo motors
- Start up delay to prevent over current in rush
- Isolation transformer on request
- Indoor or outdoor version on request
- Applications of the 3 Phase Stabilizer
- BROADCAST: Regulation for broadcast transmitter sites and studios
- COMMERCIAL: High-rise building, elevator control, large A/C chillers, lighting, other sensitive critical systems
- INDUSTRIAL: Industrial automation, process control, CNC, factory robotics, heavy load machinery
- MEDICAL: X-ray, CT scanner, MRI system, Radiation therapy, machine, other medical imaging equipments
- TELECOM: Mobile base stations, exchange stations, control centers and transmission relay stations
- HOUSEHOLD: Flats, Houses, etc



MODEL		HT 39030	HT 39050	HT 39100	HT 39150	HT 39225	HT 39400	HT 39800
POWER	KVA	30	50	100	150	225	400	800
	KW	24	40	80	120	180	320	640
INPUT	Input nominal voltage	Phase voltage 220 V ± 20%, line voltage 380 V ± 20%						
	Phase	Three phas five wire (3 $\phi$ + N + PE)						
OUTPUT	Output nominal voltage	220 V (peha voltage). 380 V (line voltage )						
	Voltage regulation accuracy	3%			2% ~ 5% (adjustable)			
	Frequency range	50 /60 Hz						
	Protection function	Overvoltage, lack-phase, phase order protection and mechanical failure protection						
	Noise	≤ 50 dB						
	Display mode	LED indicators, analog voltage meter						
	Overload capacity	120% of rated current: > 10s						
	Response time	≤ 1.5 s (ambient voltage varies 10%)						
	Insulation resistance	≥ 2 M $\Omega$						
SESTEM	Dielectric intensity	Low frequency sine wave voltage 1500 V for 1 min, no breakdown and flashover phenomenon						
	Efficiency	≥ 95%						
	Waveform distortion	Distortionless						
OTHERS	Operating temperature	-10°C ~ +40°C						
	Relative humidity	0% ~ 95% (non-condensing)						
	Altitude	< 1000 M						
PHYSICAL	Dimensions (W x D x H)	800 x 570 x1320		850 x 645 x 1430	1050 x 750 x 1750	1050x750 x 1850	1200x1100 x 2155	1350x1100 x2255
	Weight(Kg)	260	295	400	660	815	1195	2150