

# Star Trans

Transforming Technology



Three Phase ST Series : 10-5000KVA

**THREE PHASE  
STABILIZER**

# Star Trans

Better equipment protection, fewer failures, more uptime and lower energy costs across a wide range of industries and applications.

Three Phase SBW series: 10-5000KVA



## Beautiful Inside and Out

Beautiful and slim exterior with advanced industrial workmanship.

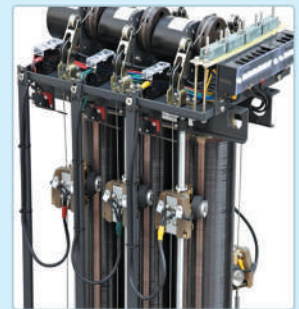
Compact interior structure compliance with international standard.



## Patent Structure

long lifetime roller brush

Patent three phase individual voltage regulator, which realizing the whole unit 2/3 smaller than traditional one.

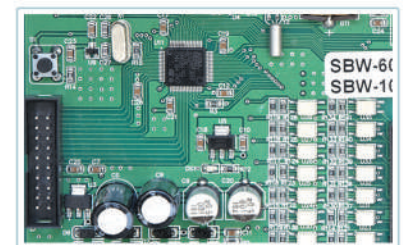


## Control Board

 High performance ARM chip

Central control module based on DSP, realize high-speed and high-performance control.

With SMT technology, the reliability and supply of PCB will be highly improved.



## Digital display

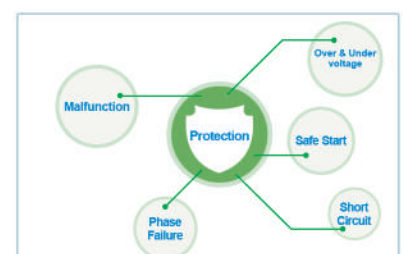
Man-machine interface enable users to know the unit condition clearly.

Support the standard Modbus communication protocol, support remote control with GPRS.

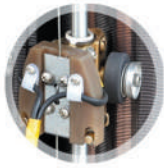


## Complete Protection

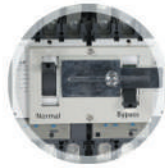
Over-voltage protection  
Under voltage protection.  
Overload protection.  
Overheat protection.  
Short circuit protection.  
Phase sequence protection.  
Phase failure protection.  
By protecting the bass.



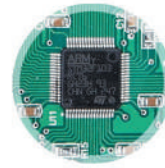




- Patent maintenance free roller type carbon brush
- Individual regulation with unique small dimension



- Start up delay to prevent over current inrush
- Indoor or outdoor version on request



- Use advanced digital control board
- High Performance ARM chip control



- Wheels mounted for easy installation
- Maximum capacity up to 5000KVA



- The temperature of your rack is always under control
- High Mean time Between Failure(MTBF)



- Reliable and low noise AC servo motors
- Extremely wide voltage regulation range

## Technical Specifications

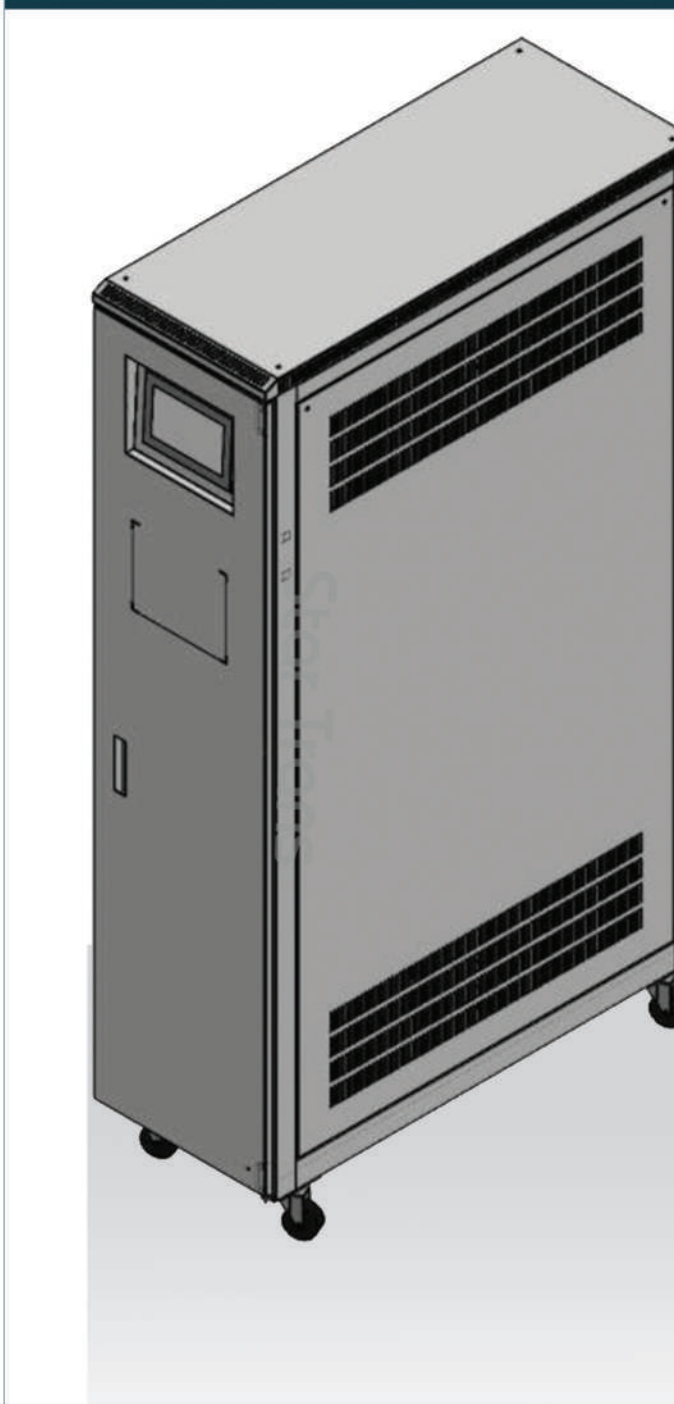
Input Voltage	The other input voltage range and rated voltage can be custom designed.
Output Voltage	three phase: 380V ± 1 - 1.5 %
Supply Frequency	50/60Hz
Insulation Resistance	≥2M Ω
Voltage Regulation Mode	Independent phase regulation for three phase
Range volt	30 %
Insulation Class	H class
Method of Voltage Regulation	Regulation transformer with servo motor
Insulated Strength	Three phase: 2500V/1 min without puncture
Efficiency	>98 % on full load
Overload Rating	Withstand 200% overload in short time
Protection class	IP23 (indoor), outdoor type on request
Electrical safety	CE equivalent
Operational Temperature	-20°C to +45°C
Functions	Power-on style, Malfunction protection, Short-circuit protection, Lack of phase protection, Over voltage shutdown, Under voltage shutdown, Safe start

## Remote Control

Install special background monitoring software in computer terminal can realize the remote operation and control.



Sheet-metal enclosures



## General Data

Degree of protection IP 23

For floor mounting

## Advantages

Variable foot angle for easy installation

Excellent corrosion protection and high abrasion resistance through powder-coated surface RAL 5008

With cooling fins for optimal heat extraction

## Applications

Universal metal enclosure for degree of protection IP23

## Standards

## Approvals

UL 508A (prepared)





## Sheet-metal enclosure Stabilizer Enclosure

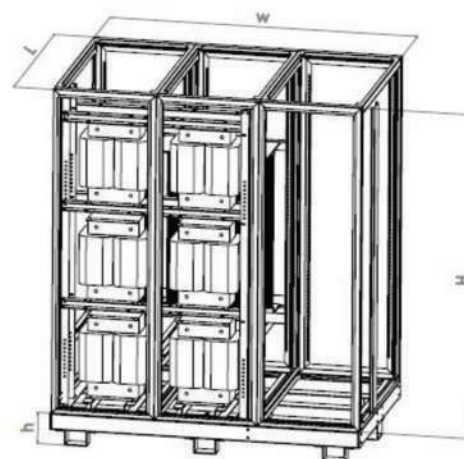
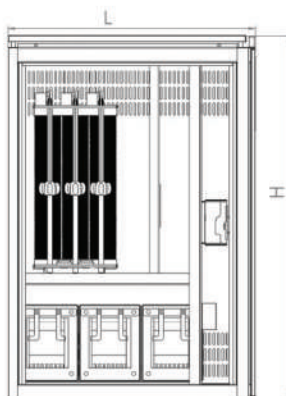
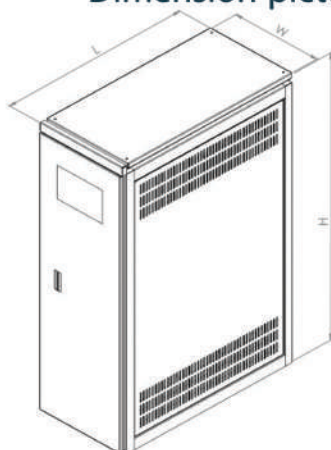
30 Mechanical data

Order Number	From 10 to 25 KVA	to 50 From 30 KVA	From 60 to 100 KVA	From 150 to 200 KVA
Floor mounting	√	√	√	√
<b>Measures</b>				
Dimension (LxHxW)	(600x750x280)	(650x1000x320)	(850x1455x320)	(1000x1650x450)
Effective inside dimension (W)	250 mm	290 mm	290 mm	420 mm
Effective inside (H)dimension	720 mm	970 mm	1425 mm	1620 mm
Effective inside dimension (L)	570 mm	620 mm	820 mm	970 mm
Accessory Wheel (h) Touch screen	70 mm (90x170x4)	70 mm (85x130x5)	100 mm (140x20.5x5)	100 mm (140x20.5x5)
Dimension picture in (mm)	Figure 1	Figure 1	Figure 1	Figure 1
L	600 mm	650 mm	850 mm	1000 mm
H	750 mm	1000 mm	1455 mm	1650 mm
W	280 mm	320 mm	320 mm	450 mm

### From 300 to 750 KVA

Order Number	300 KVA	500 KVA	750 KVA
Floor mounting	√	√	√
<b>Measures</b>			
Dimension (LxHxW)	(1250x2000x550)	(1810x2000x1140)	(2420x2000x1140)
Effective inside dimension (W)	510 mm	1110 mm	1110 mm
Effective inside (H)dimension	1970 mm	1970mm	1970mm
Effective inside dimension (L)	1200 mm	1780 mm	2390 mm
Accessory Wheel (h) Touch screen	100 mm (140x20.5x5)	180 mm (140x20.5x5)	180 mm (140x20.5x5)
Dimension picture in (mm)	Figure 1	Figure 2	Figure 2
L	1250 mm	1810 mm	2420 mm
H	2000 mm	2000 mm	2000 mm
W	550 mm	1140 mm	1140 mm

### Dimension pictures



# STAIBILIZER

AUTOMATIC VOLTAGE

## THREE PHASE STAIBILIZER

