

Technical Specifications			
Parameter	3 Phase Unbalanced Air cooled	3 Phase Unbalanced Oil cooled	3 Phase Balanced Oil cooled
Rating (kVA)	3-150	3-2000	3-2500
Type of Cooling	Air	Oil	Oil
Input Voltage Range (V)	310 - 480	310 - 480	310 - 480
	340 - 480	340 - 480	340 - 480
	360 - 460	360 - 460	360 - 460
	380 - 440	380 - 440	380 - 440
Output Voltage (Normal)(V)	415V LL	415V LL	415V LL
Alternate Output V Settings	380V / 400V LL		
Output V Regulation	± 1% of normal output voltage		
Input Frequency range	47Hz - 53Hz		
Control Type	Digital-Micro Controller based		
Correction Speed*	70 V per second		
Reset	Manual / Auto reset with time delay and programmable		
	A. Electronic over & under voltage trip with time delay for Input & Output		
	B. Electronic overload protection and short circuit upto 30KVA through MCB and the manual bypass is built in. Above 30 KVA MCB/MCCB ia an optional.		
	C. Surge Arrester/RF Suppressor (Optional)		
	D. Phase reversal Protection and cut off		
	E. Single Phase Prevention and cut off		
	F. Neutral Failure Protection		
	G. Frequency cut-off Protection		
	H. Earth neutral voltage cut off protection		
Material Digital Type (Class 1 Accuracy with Full Scale ± 1)	A. Input phase to neutral	B. Input Phase to Phase	
	C. Output phase to neutral	D. Output phase to Phase	
	E. Load Current in all the phases	F. Frequency	
Audio Alarm	For Tripping Conditions		
Nature of Cooling	Air Cooled / Oil Cooled		
Effect of Power	Nil		
Waveform Distortion	Nil		
Annunciation Panel	Non Latching LED Indications with dual colour for Over load Latching Condition		
Efficiency	> 98%		
Cabinet Colour	Siemens Grey, Parrot Green, Ivory, Royal Blue		
Provision of Cabling	Input and Output Terminations with provisions for fixing cable glands		
Servo Motor Drive	Rugged AC step Synchronous motor		
Operating Temperature	0-45°C		
Resetting mode	Automatic Restart with time delay of 15 sec (3 mins time delay optional)		
Stabiliser bypass	Provided up to 50 kVA 3-phase		



Sakthi Electrical Control

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Our Service Network

Tamil Nadu | Karnataka | Andhra Pradesh
Telangana | Kerala | Maharashtra
Uttar Pradesh | Gujarat & All over INDIA

Our Dealers



*Revision : Aug. 2016. Specifications are Subject to change without prior notice.

Go One Better...

AN ISO 9001-2008
CERTIFIED COMPANY

Other Products

- Lighting Energy Savers
- Isolation Transformers
- Auto Transformers
- Constant voltage Transformer
- Solar Power Systems
- Solar Pumps Inverters
- Electro Plating Rectifiers
- Active Harmonic Filters
- APFC Panels
- Phase Converters
- VFD
- LED Drivers



About Us

Sakthi Electrical Control (Formerly **Sakthi Engineers**) is an emerging identity among Power Quality Equipment Manufacturing circles in India.

Our endless product list includes Servo Voltage Stabilizers, Isolation Transformers, Ultra Isolation Transformers, AC Drives, Energy Savers, APFC Panels, Constant Voltage Transformers, Phase Converters, Harmonic Filters, Electro Plating Rectifiers, Special Purpose Transformers under "Sakthi" Brand .

Our Manufacturing facilities are equipped with modern machinery & Tools with High Qualified work force which can ensure flawless workmanship which is the root cause of high quality products.

Our multiple stage in Process, Inspection and Final Inspection procedures, part our Quality management system is the key to the Immense Quality of our products.

We have been awarded with an **ISO 9001 : 2008** Certification from **JAS -ANZ**.

All our products are designed for highest priority for us and we pledge to provide the necessary service back-up on time whenever needed.

Our R&D team is always keep on developing Innovative and creative products that are practical & conserving resources and benefitting our customers as well our Nation's economy.

We have strong customer base across India & Exporting our Equipments to various Countries like South Africa, Angola, Zambia, Ghana, Jordon, Iraq, UAE, Tanzania, Uganda, Kenya, Nigeria, Kongo, Afghanistan, Nepal & Bangladesh etc.

We have complete marketing offices / franchise across India and company Agents at Dubai, Saudi Arabia, Tanzania, Kenya, Ghana.

Our Motto is to give our customer the value for the money of the product & lifetime services

Our Vision

Sakthi aims to be a prominent global player and a national leader in the field of Industrial Servo Stabilizer, Power Supply and Distribution, promoting the cause of energy saving through constant innovation and customization of products, and introduction of value added solutions for its honoured customers. It is getting set to become a one stop shop for Total Power Solutions and other allied products scaling newer height of technology, setting quality benchmarks for all its products and services and ensuring satisfaction to all its customers.

Core Value

- ★ World Class Manufacturing Facilities.
- ★ Modern Technology.
- ★ Continuous Research and Development.
- ★ Total Customers focus.
- ★ Global Orientation.

Our Focus

- ★ Material Selection.
- ★ Manufacturing Processes.
- ★ Static (Strength) and Dynamic (Growth) Performance.
- ★ Error prevention instead of error correction.



Our Products

Servo Controlled Voltage Stabilizers



Sakthi Electrical Control with 15 years of experience in power Conditioning & energy Management, provides innovative solutions to your power conditioning needs.

Sakthi Servo stabilizers have been setting the standard in the Industry for product design & Quality in over 15,000 installations over the years. **Sakthi** Servo Stabilizers offer the Unique Power advantage that enhance the quality of user experience & enables realization of true value from our products.

After Sales Service

Comprehensive Maintenance Plan (CMP) : 'No-questions-asked' Service Includes all costs of service (all spares & service charges), periodic preventive maintenance and allotted priority in attending to service calls.

Service Maintenance Plan (SMP) : Includes all costs of service and spares except specified power componenets - Variac, Buck Booster Transformer, Contactor and Change Over Switch.

On-Call Service : For fault repair-Service charges & Spares cost payable on completion of call. 30 days guarantee for service charge is offered under this scheme (on repeat failure).

Features & Benefits

- ★ No Potentiometer Adjustments.
- ★ All Parameters can be modified using the keypad in the front panel.
- ★ Set input voltage band.
- ★ Set output voltage sensitivity.
- ★ Output over / under voltage cut-off.
- ★ Trip time delay adjustments with variable setting
- ★ Opto isolated motor driven control.
- ★ Manual and auto start facility.

- ★ Common control card - any capacity.
- ★ Output start and stop facility.
- ★ Micro Controller System.
- ★ Generator Compatibility.
- ★ Both Outdoor and Indoor models.
- ★ True RMS sensing without control transformer for output & input.