

# Star Trans

Transforming Technology



SINGLE PHASE ST Series : 1-30KVA



## SINGEL PHASE STAIBILZER

## SINGLE PHASE STABILIZER SERVO PRO-S



### General Data

Rated input voltage	220 V AC
Rated output voltage	220 V AC
output voltage tolerance (Accuracy)	1-1.5%
Rated power	1 - 30 KVA
Insulation class	H
Maximum ambient temperature	50 °C
Efficiency	up to 98%
Degree of protection	IP23 Indoor
Frequency	50/60 Hz

### Advantages

Compensation for mains voltage fluctuations
Patented assembly technology to lower heat losses
Bridging momentary voltage dips
May be switched between high control precision and elevated parasitic Voltage attenuation
Display LCD Screen - Show Parameter
Protection Over/Under Voltage - Overload - Short Circuit - Over Heat
Internal Bypass - Safe Start

### Applications

Single Phase Stabilizer Servo PRO-S Securing the supply voltage in the event of mains overvoltage, mains undervoltage, voltage dips and voltage surges and in the case of brief voltage interruptions.

### Standards

Automatic Voltage Regulator acting as mains transformer in accordance with VDE 0570 part 2;2-12, EN 61558-1; 2-12, IEC 61558-1;2-12

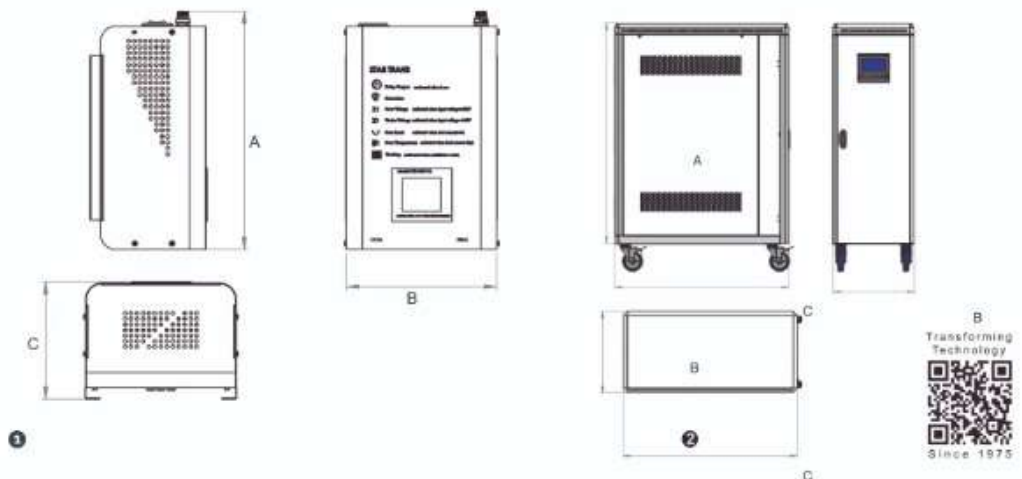
**STABILIZER**  
**SINGLE-PHASE STABILIZER**



**SINGLE PHASE STABILIZER SERVO**  
**PRO-S**

Typ	PRO-S 1PH - 1KVA-2KVA	PRO-S 1PH - 3KVA-5KVA	PRO-S 1PH - 10KVA	PRO-S 1PH - 15KVA/20KVA	PRO-S 1PH 25KVA/30KVA
<b>Electrical data</b>					
<b>Operating data</b>					
Rated input voltage	220 V AC	220 V AC	220 V AC	220 V AC	220 V AC
Permissible tolerance (input voltage)	+20% TO -30%	+20% TO -30%	+20% TO -30%	+20% TO -30%	+20% TO -30%
Rated output voltage	220 V AC	220 V AC	220 V AC	220 V AC	220 V AC
Rated current	4 A / 8A	12A / 20A	40A	60A / 80A	100 / 120 A
Rated frequency	50 HZ/60 HZ	50 HZ/60 HZ	50 HZ/60 HZ	50 HZ/60 HZ	50 HZ/60 HZ
Harmonic content	5% AT OHMIC LOD	5% AT OHMIC LOD	5% AT OHMIC LOD	5% AT OHMIC LOD	5% AT OHMIC LOD
<b>Power</b>					
Rated Power	1KVA / 2KVA	3KVA / 5KVA	10KVA	15KVA / 20KVA	25KVA / 30KVA
<b>Environment</b>					
Ambient temperature max.	50 °C	50 °C	50 °C	50 °C	50 °C
<b>Safety and protection</b>					
Type	ENCLOSED	ENCLOSED	ENCLOSED	ENCLOSED	ENCLOSED
Insulation class	H	H	H	H	H
Protection index	IP 23	IP 23	IP 23	IP 23	IP 23
Safety class (prepared)	I	I	I	I	I
Protection	Over&Under Voltage - Overload - Short Circuit - Over Heat - Internal Bybass - Safe Start				
Test voltage	3500 VAC 50HZ	3500 VAC 50HZ	3500 VAC 50HZ	3500 VAC 50HZ	3500 VAC 50HZ
<b>Mechanical data</b>					
<b>Terminal and mounting</b>					
Fixing method	HASTILY INSTALLED	HASTILY INSTALLED	HASTILY INSTALLED	HASTILY INSTALLED	HASTILY INSTALLED
Terminals	SCREW-TYPE TERMINALS	SCREW-TYPE TERMINALS	SCREW-TYPE TERMINALS	SCREW-TYPE TERMINALS	SCREW-TYPE TERMINALS
<b>Measures and weights</b>					
Weight	1 KG - 2 KG	3 KG 5 KG	10 KG	15 KG - 20 KG	30 KG
Dimension picture (in mm)	1	3	3	2	2
A	300	360	460	590	730
B	200	240	300	300	320
C	155	176	196	196	565

**Dimension pictures**





# CERTIFICATE

**TÜV**  
AUSTRIA

Management System as per  
EN ISO 9001 : 2015

In accordance with TÜV AUSTRIA procedures, it is hereby certified that



ELMARABEA®

**MODERN ELECTRICAL TECHNOLOGY COMPANY "STAR TRANS"**

**Kilo 12 Mahalla-Tanta Road, Tanta, Gharbia  
GOVERNORATE, EGYPT**

Applies a Quality Management System in line with the above Standard for the following Scope

**MANUFACTURING OF ALL TYPES OF LOW VOLTAGE TRANSFORMERS,  
LOW VOLTAGE STABILIZERS, LED LIGHTING PRODUCTS, LOW VOLTAGE  
ELECTRICAL CONTROL AND POWER PANELS.**

Certificate Registration No.: 20001220007241

Valid until: 2025-06-14

Maria Agapitou  
Head of Management Systems & Products Certification Division

Certification Body  
at TÜV AUSTRIA

Athens, 2022-06-15

This certification was conducted in accordance with TÜV AUSTRIA auditing and certification procedures and is subject to regular surveillance audits.

TÜV AUSTRIA HELLAS  
429, Mesogeion Ave.  
GR-153 43 Athens, Greece  
[www.tuvaustriahellas.gr](http://www.tuvaustriahellas.gr)



CaPRK478\_A1e

Headquarters in Athens bear the responsibility of the Certification decision

006398-21-6



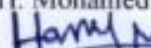
# CALIBRATION CERTIFICATE

Issued By : ABB Arab Calibration Laboratory  
Date of Issue : April 2021  
Certificate No. : 098

## ABB Arab

10<sup>th</sup> of Ramadan city industrial zone B1  
Email: [mohamed.moubarak@eg.abb.com](mailto:mohamed.moubarak@eg.abb.com)

Page 1 of 2

Calibrated By  
Name : H. Mohamed  
Signature 

Reference : 098 21  
Customer & Address : Star trans for transforming technology  
Calibration Date : 14 April 2021  
Due Date : 14 April 2022

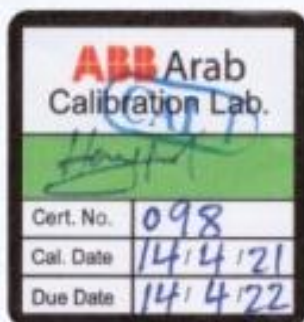
Description : 3 Phase automatic voltage regulator  
Manufacturer : Star trans. Egypt  
Inv. No. : /  
Type No. : 3 Phase servo  
Serial No. : 20200602

Temp :  $22.5 \pm 2$  °C  
RH% :  $43.9 \pm 5$  %


Basis of Test : The 3 Phase automatic voltage regulator. has been calibrated by direct measurement method by using instrument traceable to National Institute of Standards (N.I.S).

Calibration Method : Using :

1- High precision DMM	Wavetek 1281	Q/11/044/0/01
2- Digital Multimeter	Fluke 287	Q/11/058/0/01



### Approved Signatory

Signature :   
Name : Mohamed-moubarak  
Title : Calibration Lab. Manager





**LABORATORIES OF EXTRA HIGH  
VOLTAGE RESEARCH CENTER SECTOR**  
KM 27 Calro- Alex. Desert Road  
Report No.(116 /2021)  
Page 1 of 4

## TEST REPORT

REPORT No. (116/2021)

▪ **CLIENT: MODERN ELECTRICAL TECHNOLOGY COMPANY (STAR TRANS )**

KILO 12- ALMAHALLA ALKOBRA TANTA ROAD

▪ **Report Date:** 28 / 3 / 2021

▪ **Place:**

- LABORATORIES OF EXTRA HIGH VOLTAGE RESEARCH CENTER.
- Internal code : TO – AC - 21 – 02 – 21 - 02

▪ **Requirements:**

- Type tests according to IEC 61558-1.

▪ **Standard Specification:**

- IS/IEC 61558-1(1997) : Safety of power transformers, power supply units and similar, Part 1: General requirements and tests

▪ **Description of the Specimen :**

- Three phase isolation transformer - 10 kVA - 380/ 380 V– Dyn - Thermal Class: H – Insulation Class: I - Manufactured by MODERN ELECTRICAL TECHNOLOGY COMPANY (Star Trans) - Made in EGYPT.

▪ **Description of the Equipment:**

- Two voltage trnsformers – Type: UZGT10 - Serial No. (929130/65) and (925007/65).
- Insulation resistance apparatus (MEGGAR) – Type: (BM11) - Serial No.(120-5370) – Calibration certificate No. (7/161/2020).
- Winding Resistance – type (WR50-12) – S.N (303-173)- Certificate No : (07/132/2020).

▪ **Test Sample:**

- The test sample was chosen under the responsibility of the client.

▪ **Tests**

- 1- Marking and other information.
- 2- Output voltage and output current under load
- 3- Insulation resistance and dielectric strength
- 4- Heating test



*[Handwritten signature]*

# SUCCESS PARTNERS




# STAIBILIZER

AUTOMATIC VOLTAGE

**SINGEL PHASE**  
**STAIBILIZER**



[www.startranseg.com](http://www.startranseg.com)