



# SMK & STK

Voltage Stabilizer



- + TO REDUCE ELECTRICAL INTERFERENCE
- + TO PROTECT AGAINST THE PEAK EFFECT AND LIGHTNING
- + TO SOLVE TROUBLES DUE AT LARGE LOAD INSERTION OR DROP VOLTAGE WHEN THE UTILITIES ARE FAR FROM SOURCE



## SINGLE-PHASE VOLTAGE STABILIZERS

The G-TEC SMK stabilizer is a single-phase product, from 1,2 kVA to 50 kVA, belong to the electromechanical series with electronic control.

The increase of voltage sensitive equipment has determined a continuous request for means able to guarantee the supply of steady voltage independently from mains variations.

The voltage stabilizer has proved to be an efficient answer in order to prevent from potential damages due to input voltage fluctuation. They provide a perfect constant single-phase output voltage completely independent from any variation of the input voltage within the accepted voltage range. The stabilisation of the output voltage is not affected neither by eventual harmonic distortion present in the mains nor by the value and load power factor; the added output distortion is very low (less than 0,2%) and the total efficiency is very high.



## Technical Specifications

MODEL	SMK 01	SMK 02	SMK 04	SMK 06	SMK 10	SMK 15	SMK 20	SMK 25	SMK 30	SMK 40	SMK 50
Pn/kVA, V ±15%	1,2	2	4	6	10	15	20	25	30	40	50
Pn/kVA, V ±20%	0,8	1,5	3	4,5	7,5	11	15	20	25	30	40
Dimension (mm) LxHxD	300x240x300			300x240x520		300x500x520	600x830x300		600x1100x400		
Weight (kg)	16	19	22	26	36	44	85	105	135	185	225
Panel Interface	LED indicator						Analog Voltmeter				
INPUT											
Input Voltage	230 Vac										
Input Frequency Range	50 ÷ 60 Hz										
OUTPUT											
Load Variation Range	0 - 100%										
Output Voltage Accuracy	± 1%										
Maximun Overload	150% / 1 min										
Load Power Factor	0 - 1										
Efficiency	> 98%										
Waveform Distortion	< 0,2%										
Speed regulation	< 20 msec/V										
GENERAL CHARACTERISTICS											
Cooling	Natural Air										
Ambient temperature	-10 : +45 °C										
Relative Humidity	< 96%										
Colour	RAL 7035 / 7038										
Protection	IP 21										

## THREE-PHASE VOLTAGE STABILIZERS

The increase of voltage sensitive equipment has determined a continuous request for means able to guarantee the supply of steady voltage independently from mains variations. The voltage stabilizer has proved to be an efficient answer in order to prevent from potential damages due to input voltage fluctuation.

The G-TEC SKT stabilizer is a three-phase product developed in two series:

- **STK T** - Voltage regulation through the average value, the neutral connection is not necessary
- **STK Y** - Voltage regulation through each phase, the neutral connection is necessary

The SKT stabilizers, from 3 to 450 kVA, belong to the electromechanical series with electronic control.



They provide a perfect constant three-phase output voltage completely independent from any variation of the input voltage within the accepted voltage range. The stabilisation of the output voltage is not affected neither by eventual harmonic distortion present in the mains nor by the value and load power factor; the added output distortion is very low (less than 0,2%) and the total efficiency is very high.



## Technical Specifications

MODEL	STK 003-450 T					STK 003-450 Y				
INPUT										
Input Voltage	400 Vac									
Input Frequency Range	50 ÷ 60 Hz									
OUTPUT										
Load Variation Range	0 - 100%									
Phase Unbalanced	< 50%					100%				
Output Voltage Accuracy	± 1%									
Maximun Overload	150% / 1 min									
Load Power Factor	0 - 1									
Efficiency	> 98%									
Waveform Distortion	< 0,2%									
Speed regulation	< 20 msec/V									
GENERAL CHARACTERISTICS										
Cooling	Natural Air or Forced Air									
Ambient temperature	-10 +45 °C									
Relative Humidity	< 96%									
Colour	RAL 7032									
Protection	IP 21									

MODEL	STK 003 T	STK 006 T	STK 012 T	STK 018 T	STK 024 T	STK 030 T	STK 040 T	STK 050 T	STK 060 T	STK 075 T	STK 100 T	STK 135 T	STK 150 - 230 T			STK 300 T	
Pn/kVA, V ±15%	3	6	12	18	24	30	40	50	60	75	100	135	150	175	230	300	
Pn/kVA, V ±20%	2,5	4,5	9	13	18	22	30	36	45	60	75	*	*	*	*	*	
Dimension (mm) LxHxD	300x520x500			600x870x300			600x1100x400			800x1500x500			1000x1500x500	1200x1500x500			*
Weight (kg)	55	60	70	85	110	130	145	160	210	270	410	540	650	720	810	*	
Panel Interface	LED indicator			Analog Voltmeter						3-phases Analyzer							

MODEL	STK 003 Y	STK 006 Y	STK 012 Y	STK 018 Y	STK 024 Y	STK 030 Y	STK 040 Y	STK 050 Y	STK 060 Y	STK 075 Y	STK 100 Y	STK 135 Y	STK 150 - 230 Y			STK 300 - 450 Y		
Pn/kVA, V ±15%	3	6	12	18	24	30	40	50	60	75	100	135	150	175	230	300	450	
Pn/kVA, V ±20%	2,5	4,5	9	13	18	22	30	36	45	60	75	*	*	*	*	*	*	
Dimension (mm) LxHxD	300x520x500			600x870x300			600x1100x400			800x1500x500			1000x1500x500	1200x1500x500			*	*
Weight (kg)	62	67	77	92	120	140	165	180	230	300	430	570	680	750	850	*	*	
Panel Interface	LED indicator			Analog Voltmeter						3-phases Analyzer								

\* Available on request

# G-Tec Service



**G-TEC Service, our technical assistance facility, employs highly trained engineers able to provide a reliable sales assistance service.**

A dedicated **CALL CENTRE** for connection to the G-TEC Service organisation. G-TEC Service personnel are always on hand and happy to provide advice and assistance regarding the installation, maintenance, fault finding and repair of UPS equipment. G-TEC Service can provide assistance during commissioning and start-up of the UPS equipment on-site with additional training of site personnel during handover.

**MAINTENANCE CONTRACTS** can be provided by G-TEC Service Partners to minimise response times and reduce the cost of

repairs. Contracts range from periodic inspections to comprehensive cover including labour and materials.

**FAST & READY:** fast repair on site is guaranteed thanks to the use of state-of-the-art UPS technology and the professionalism of the G-TEC Service personnel and Authorised Assistance Centres. G-TEC Service guarantees that failed parts are replaced with original ones and are tested and updated in order to maintain the safety, reliability and operating characteristics of the UPS system.

[www.gtec-power.eu](http://www.gtec-power.eu)



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