SMK01-45

Single-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 **GTEC SMK** stabilizer is a single-phase product, from 1,2kVA to 45kVA, belong to the electromechanical series with electronic control.

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 output power distortion is very low (less than 2%) and the total efficiency is very high.

- Input Voltage 230V
- Frequency 50-60 Hz
- Load Variation Range 0-100%
- Output Voltage Accuracy +/- 1%
- Max Overload 150% / 1 min.
- Load Power Factor 0-1
- Efficiency > 98%
- Waveform Distortion < 0,2%
- Speed Regulation < 20msec/V
- Cooling A.N
- Ambient temperature -10 : +45 ∝C
- Relative humidity < 96%
- Colour RAL 7035/7028
- Protection IP 21

NOTE:
The SMK from 1,2-15kVA is provided with lamp indicator as standard, all the other sizes have analog voltmeter as standard.

STK003-450

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 **GTEC SKT** stabilizer 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 output power distortion is very low (less than 2%) and the total efficiency is very high.

Standard features STK:

- Input Voltage 400V
- Frequency 50-60 Hz
- Load Variation Range 0-100%
- Phase Unbalanced < 50% for T – 100% for Y
- Output Voltage Accuracy +/- 1%
- Max Overload 150% / 1min
- Load Power Factor 0-1
- Efficiency > 98%
- Waveform Distortion < 0,2%
- Speed Regulation < 20msec/V
- Cooling A.N. or A.F.
- Ambient temperature -10 : +45 ∝C
- Relative humidity < 96%
- Colour RAL 7032
- Protection IP 21

SMK01-45

Single-phases Voltage Stabilizer

TECHNICAL SPECIFICATION								
CODE	Pn/kVA ±15%	Pn/kVA ±20%	Voltage Vac	D (mm)	W (mm)	H (mm)	Weight (kg)	Panel Interface
SMK 01	1,2	0,8	230	300	240	300	16	LED indicator
SMK 02	2	1,5	230	300	240	300	19	LED indicator
SMK 04	4	3	230	300	240	300	22	LED indicator
SMK 06	6	4,5	230	300	240	300	26	LED indicator
SMK 10	10	7,5	230	520	240	300	36	LED indicator
SMK 15	15	11	230	520	240	300	44	LED indicator
SMK 20	20	15	230	520	240	300	85	Analog Voltmeter
SMK 25	25	20	230	280	900	580	105	Analog Voltmeter
SMK 30	30	25	230	280	900	580	125	Analog Voltmeter
SMK 40	45	35	230	400	1100	650	175	Analog Voltmeter

STK003-450 T

Electromechanical Stabilizer 3-phases with average Control

TECHNICAL SPECIFICATION								
CODE	Pn/kVA ±15%	Pn/kVA ±20%	Voltage Vac	D (mm)	W (mm)	H (mm)	Weight (kg)	Panel Interface
STK 003 T	3	2,4	400	230	490	490	62	LED Indicator
STK 006 T	6	4,5	400	230	490	490	77	LED Indicator
STK 012 T	12	9	400	230	490	490	90	LED Indicator
STK 018 T	18	13,5	400	580	280	900	115	Analog Voltmeter
STK 024 T	24	18	400	580	280	900	155	Analog Voltmeter
STK 030 T	30	24	400	580	280	900	175	Analog Voltmeter
STK 050 T	50	34	400	650	400	1100	195	Analog Voltmeter
STK 060 T	60	45	400	650	400	1100	318	Analog Voltmeter
STK 075 T	75	60	400	650	400	1100	400	Analog Voltmeter
STK 100 T	100	75	400	650	400	1100	495	3-phases Analyzer
STK 135 T	135	105	400	900	500	1200	530	3-phases Analyzer
STK 150 T	150	120	400	900	500	1200	635	3-phases Analyzer
STK 175 T	175	130	400	900	500	1200	820	3-phases Analyzer
STK 230 T	230	175	400	605	850	1650	1200	3-phases Analyzer
STK 300 T	300	230	400	1200	850	1700	1300	3-phases Analyzer

STK003-450 Y

Electromechanical Stabilizer 3-phases with indipendent Control

TECHNICAL SPECIFICATION								
CODE	Pn/kVA ±15%	Pn/kVA ±20%	Voltage Vac	D (mm)	W (mm)	H (mm)	Weight (kg)	Panel Interface
STK 003 Y	3	2,4	400	230	490	490	62	LED Indicator
STK 006 Y	6	4,5	400	230	490	490	77	LED Indicator
STK 012 Y	12	9	400	230	490	490	90	LED Indicator
STK 018 Y	18	13,5	400	580	280	900	115	Analog Voltmeter
STK 024 Y	24	18	400	580	280	900	155	Analog Voltmeter
STK 030 Y	30	24	400	580	280	900	175	Analog Voltmeter
STK 050 Y	50	34	400	650	400	1100	195	Analog Voltmeter
STK 060 Y	60	45	400	650	400	1100	318	Analog Voltmeter
STK 075 Y	75	60	400	650	400	1100	400	Analog Voltmeter
STK 100 Y	100	75	400	650	400	1100	495	3-phases Analyzer
STK 135 Y	135	105	400	900	500	1200	530	3-phases Analyzer
STK 150 Y	150	120	400	900	500	1200	635	3-phases Analyzer
STK 175 Y	175	130	400	900	500	1200	820	3-phases Analyzer
STK 230 Y	230	175	400	605	850	1650	1200	3-phases Analyzer
STK 300 Y	300	230	400	1200	850	1700	1300	3-phases Analyzer
STK 450 Y	450	300	400	1800	850	1700	1600	3-phases Analyzer