

VARSAN

VARIAC & VOLTAGE STABILIZER & TRANSFORMER SHUNT REACTOR & HARMONIC FILTER REACTOR

**** Please ask special prices for your bulk purchase orders. ** Varsan keep right to change prices without any notification.**
**** Prices is including packing cost for more than 3.000 €/ \$ orders. (+110 €/ \$ packing cost will add onto invoice for less than 3.000 €/ \$ orders)**

<u>BALANCED RANGE</u>	VOLTAGE STABILIZER <u>Fully Automatic & Full Protection</u>					Wt ALUMINUM Booster Transformer	With COPPER Booster Transformer
	KVA	Max. Output Ampere	INPUT VOLTAGE RANGE	OUTPUT VOLTAGE	DIMENSIONS (cm) WEIGHT (kg.)	PRICE (ask us)	PRICE (ask us)
<u>SINGLE PHASE VOLTAGE STABILIZER PRICE & SPECS</u> ± 20% Regulation Range	3,5	13	175-265 V	220 V ±1%	50x35x30(h) - 22 kg.	✕	✕
	5	18	175-265 V	220 V ±1%	50x35x30(h) - 28 kg.	✕	✕
	7,5	27	175-265 V	220 V ±1%	50x35x30(h) - 35 kg.	✕	✕
	10	36	175-265 V	220 V ±1%	55x35x30(h) - 45 kg.	✕	✕
	15	55	175-265 V	220 V ±1%	55x35x30(h) - 50 kg.	✕	✕
	20	73	175-265 V	220 V ±1%	55x35x30(h) - 65 kg.	✕	✕
	25	91	175-265 V	220 V ±1%	50x55x85(h) - 117 kg.	✕	✕
	30	109	175-265 V	220 V ±1%	50x55x85(h) - 125 kg.	✕	✕
	40	145	175-265 V	220 V ±1%	60x60x90(h) - 145 kg.	✕	✕
<u>THREE PHASE VOLTAGE STABILIZER PRICE & SPECS</u> ± 20% Regulation Range	50	182	175-265 V	220 V ±1%	60x60x90(h) - 190 kg.	✕	✕
	10,5	3x13	300-460 V	380 V ±1%	55x45x110(h) - 90 kg.	✕	✕
	15	3x18	300-460 V	380 V ±1%	55x45x110(h) - 100 kg.	✕	✕
	22,5	3x27	300-460 V	380 V ±1%	55x45x110(h) - 130 kg.	✕	✕
	30	3x36	300-460 V	380 V ±1%	55x45x110(h) - 150 kg.	✕	✕
	45	3x55	300-460 V	380 V ±1%	55x45x110(h) - 170 kg.	✕	✕
	60	3x73	300-460 V	380 V ±1%	55x45x110(h) - 210 kg.	✕	✕
	75	3x91	300-460 V	380 V ±1%	85x55x130(h) - 335 kg.	✕	✕
	100	3x121	300-460 V	380 V ±1%	85x55x130(h) - 360 kg.	✕	✕
	120	3x145	300-460 V	380 V ±1%	85x55x130(h) - 425 kg.	✕	✕
	150	3x182	300-460 V	380 V ±1%	90x65x145(h) - 540 kg.	✕	✕
	200	3x242	300-460 V	380 V ±1%	90x65x145(h) - 715 kg.	✕	✕
	250	3x303	300-460 V	380 V ±1%	157x90x115(h) - 1.100 kg.	✕	✕
	300	3x364	300-460 V	380 V ±1%	180x100x120(h)-1.420 kg.	✕	✕
	400	3x485	300-460 V	380 V ±1%	180x100x120(h)-1.500 kg.	✕	✕
	500	3x606	300-460 V	380 V ±1%	156x120x130(h)-1.760 kg.	✕	✕
	600	3x727	300-460 V	380 V ±1%	180x145x140(h)-2.050 kg.	✕	✕
	800	3x970	300-460 V	380 V ±1%	180x145x140(h)-2.300 kg.	✕	✕
	1.000	3x1.212	300-460 V	380 V ±1%	180x130x190(h)-3.300 kg.	✕	✕
1.200	3x1.455	300-460 V	380 V ±1%	210x200x160(h)-4.900 kg.	✕	✕	
PROTECTIONS	** <u>FULL PROTECTION & FULLY AUTOMATIC</u> ** • Short Circuit Protection (Standard in 1 KVA to 150 KVA Units) • Over Current and Over Load Protection (Standard in All Units) • Phase Failure & Phase Lost Protection (Standard in All Units) • Input Protection with Input Circuit Breaker (Standard in 1 KVA to 150 KVA Units) • Over – Under Voltage Protection for Input & Output (Standard in All Units) • Independent Voltage Regulation for Each Phase (Standard in Three Phase Units) • Cleaning and Fix Phase Noise, Harmonics and Waveform Distortion (Standard in All Units) • 3x Forced Cooling Fans (Independent Cooling for Each Phase) (Standard in Three Phase Units) • Manual By-Pass, Digital Display and Auto Standby & Re-Starting Operation (Standard in All Units)						
REGULATION RANGE	OPTIONAL Different Input Voltage Regulation Ranges, and Output Voltages (127-220-230-240 Vac)						
EFFICIENCY	>98% at Full Load			OVER LOAD		200% for 2 seconds.	
REGULATION SPEED	150 Volt / second			OPERATING TEMPERATURE		-10 C° to +60 C°	
VARIAC	HQ specially designed own production variac w/ round shape carbon brushes durable to breaking and high temperature						
FEATURES	● Full Protection ● Fully Automatic ● Sensitive Input Voltage Regulation (with Variac) ● Mechanical By-pass ● High Output Voltage Accuracy (±1%) ● High Efficiency >98% at Full Load ● Digital Motor Drive Control ● Ultra High Response Speed ● Digital Voltmeter - Digital Amperemeter ● Independent Cooling for Each Phase ● Independent Phase Control ● Bottom Wheels for Easy Carry ● Automatic / Manual Circuit Breaker ● High Quality MCCB's (HQ Module Case Circuit Breakers) ● Automatically Standby & Re-Starting Operation ● IP20 Enclosure Level (IP54 is optional) ● OPTIONAL Different Input & Output Voltages ● Audible-Visual Alarm ● Operating Frequency 50-60 Hz. ● Relative Humidity <90% ● Operating Altitude Max 3.000 Meter From SeaLevel.						
WARRANTY	1 year free spare parts support against any production faults.					Made in TURKEY	

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STANDARD RANGE	VOLTAGE STABILIZER Fully Automatic & Full Protection					Wt ALUMINUM Booster Transformer	With COPPER Booster Transformer
	KVA	Max. Output Ampere	INPUT VOLTAGE RANGE	OUTPUT VOLTAGE	DIMENSIONS (cm) WEIGHT (kg.)	PRICE (ask us)	PRICE (ask us)
SINGLE PHASE VOLTAGE STABILIZER PRICE & SPECS -32%, +14% Regulation Range	3,5	13	150-250 V	220 V ±1%	50x35x30(h) - 28 kg.	✕	✕
	5	18	150-250 V	220 V ±1%	50x35x30(h) - 35 kg.	✕	✕
	7,5	27	150-250 V	220 V ±1%	55x35x30(h) - 45 kg.	✕	✕
	10	36	150-250 V	220 V ±1%	55x35x30(h) - 50 kg.	✕	✕
	15	55	150-250 V	220 V ±1%	55x35x30(h) - 65 kg.	✕	✕
	20	73	150-250 V	220 V ±1%	50x55x85(h) - 117 kg.	✕	✕
	25	91	150-250 V	220 V ±1%	50x55x85(h) - 125 kg.	✕	✕
	30	109	150-250 V	220 V ±1%	60x60x90(h) - 145 kg.	✕	✕
	40	145	150-250 V	220 V ±1%	60x60x90(h) - 190 kg.	✕	✕
THREE PHASE VOLTAGE STABILIZER PRICE & SPECS -32%, +14% Regulation Range	50	182	150-250 V	220 V ±1%	60x60x90(h) - 205 kg.	✕	✕
	10,5	3x13	260-435 V	380 V ±1%	55x45x110(h) - 100 kg.	✕	✕
	15	3x18	260-435 V	380 V ±1%	55x45x110(h) - 130 kg.	✕	✕
	22,5	3x27	260-435 V	380 V ±1%	55x45x110(h) - 150 kg.	✕	✕
	30	3x36	260-435 V	380 V ±1%	55x45x110(h) - 170 kg.	✕	✕
	45	3x55	260-435 V	380 V ±1%	55x45x110(h) - 210 kg.	✕	✕
	60	3x73	260-435 V	380 V ±1%	85x55x130(h) - 335 kg.	✕	✕
	75	3x91	260-435 V	380 V ±1%	85x55x130(h) - 360 kg.	✕	✕
	100	3x121	260-435 V	380 V ±1%	85x55x130(h) - 425 kg.	✕	✕
	120	3x145	260-435 V	380 V ±1%	90x65x145(h) - 540 kg.	✕	✕
	150	3x182	260-435 V	380 V ±1%	90x65x145(h) - 715 kg.	✕	✕
	200	3x242	260-435 V	380 V ±1%	157x90x115(h) - 1.100 kg.	✕	✕
	250	3x303	260-435 V	380 V ±1%	180x100x120(h)-1.420 kg.	✕	✕
	300	3x364	260-435 V	380 V ±1%	180x100x120(h)-1.500 kg.	✕	✕
	400	3x485	260-435 V	380 V ±1%	156x120x130(h)-1.760 kg.	✕	✕
	500	3x606	260-435 V	380 V ±1%	180x145x140(h)-2.050 kg.	✕	✕
	600	3x727	260-435 V	380 V ±1%	180x145x140(h)-2.300 kg.	✕	✕
	800	3x970	260-435 V	380 V ±1%	180x130x190(h)-3.300 kg.	✕	✕
	1.000	3x1.212	260-435 V	380 V ±1%	210x200x160(h)-4.900 kg.	✕	✕
1.200	3x1.455	260-435 V	380 V ±1%	210x200x160(h)-5.365 kg.	✕	✕	
PROTECTIONS	** FULL PROTECTION & FULLY AUTOMATIC ** • Short Circuit Protection (Standard in 1 KVA to 150 KVA Units) • Over Current and Over Load Protection (Standard in All Units) • Phase Failure & Phase Lost Protection (Standard in All Units) • Input Protection with Input Circuit Breaker (Standard in 1 KVA to 150 KVA Units) • Over – Under Voltage Protection for Input & Output (Standard in All Units) • Independent Voltage Regulation for Each Phase (Standard in Three Phase Units) • Cleaning and Fix Phase Noise, Harmonics and Waveform Distortion (Standard in All Units) • 3x Forced Cooling Fans (Independent Cooling for Each Phase) (Standard in Three Phase Units) • Manual By-Pass, Digital Display and Auto Standby & Re-Starting Operation (Standard in All Units)						
REGULATION RANGE	OPTIONAL Different Input Voltage Regulation Ranges, and Output Voltages (127-220-230-240 Vac)						
EFFICIENCY	>98% at Full Load			OVER LOAD		200% for 2 seconds.	
REGULATION SPEED	150 Volt / second			OPERATING TEMPERATURE		-10 C° to +60 C°	
VARIAC	HQ specially designed own production variac w/ round shape carbon brushes durable to breaking and high temperature						
FEATURES	● Full Protection ● Fully Automatic ● Sensitive Input Voltage Regulation (with Variac) ● Mechanical By-pass ● High Output Voltage Accuracy (±1%) ● High Efficiency >98% at Full Load ● Digital Motor Drive Control ● Ultra High Response Speed ● Digital Voltmeter - Digital Amperemeter ● Independent Cooling for Each Phase ● Independent Phase Control ● Bottom Wheels for Easy Carry ● Automatic / Manual Circuit Breaker ● High Quality MCCB's (HQ Module Case Circuit Breakers) ● Automatically Standby & Re-Starting Operation ● IP20 Enclosure Level (IP54 is optional) ● OPTIONAL Different Input & Output Voltages ● Audible-Visual Alarm ● Operating Frequency 50-60 Hz. ● Relative Humidity <90% ● Operating Altitude Max 3.000 Meter From SeaLevel.						
WARRANTY	1 year free spare parts support against any production faults.					Made in TURKEY	

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WIDE RANGE	VOLTAGE STABILIZER Fully Automatic & Full Protection					Wt ALUMINUM Booster Transformer	With COPPER Booster Transformer
	KVA	Max. Output Ampere	INPUT VOLTAGE RANGE	OUTPUT VOLTAGE	DIMENSIONS (cm) WEIGHT (kg.)	PRICE (ask us)	PRICE (ask us)
SINGLE PHASE VOLTAGE STABILIZER PRICE & SPECS -43%, +7% Regulation Range	3,5	13	125-235 V	220 V ±1%	50x35x30(h) - 35 kg.	✕	✕
	5	18	125-235 V	220 V ±1%	55x35x30(h) - 45 kg.	✕	✕
	7,5	27	125-235 V	220 V ±1%	55x35x30(h) - 50 kg.	✕	✕
	10	36	125-235 V	220 V ±1%	55x35x30(h) - 65 kg.	✕	✕
	15	55	125-235 V	220 V ±1%	50x55x85(h) - 117 kg.	✕	✕
	20	73	125-235 V	220 V ±1%	50x55x85(h) - 125 kg.	✕	✕
	25	91	125-235 V	220 V ±1%	60x60x90(h) - 145 kg.	✕	✕
	30	109	125-235 V	220 V ±1%	60x60x90(h) - 190 kg.	✕	✕
	40	145	125-235 V	220 V ±1%	60x60x90(h) - 205 kg.	✕	✕
	50	182	125-235 V	220 V ±1%	✕	✕	✕
THREE PHASE VOLTAGE STABILIZER PRICE & SPECS -43%, +7% Regulation Range	10,5	3x13	215-410 V	380 V ±1%	55x45x110(h) - 130 kg.	✕	✕
	15	3x18	215-410 V	380 V ±1%	55x45x110(h) - 150 kg.	✕	✕
	22,5	3x27	215-410 V	380 V ±1%	55x45x110(h) - 170 kg.	✕	✕
	30	3x36	215-410 V	380 V ±1%	55x45x110(h) - 210 kg.	✕	✕
	45	3x55	215-410 V	380 V ±1%	85x55x130(h) - 335 kg.	✕	✕
	60	3x73	215-410 V	380 V ±1%	85x55x130(h) - 360 kg.	✕	✕
	75	3x91	215-410 V	380 V ±1%	85x55x130(h) - 425 kg.	✕	✕
	100	3x121	215-410 V	380 V ±1%	90x65x145(h) - 540 kg.	✕	✕
	120	3x145	215-410 V	380 V ±1%	90x65x145(h) - 715 kg.	✕	✕
	150	3x182	215-410 V	380 V ±1%	157x90x115(h) - 1.100 kg.	✕	✕
	200	3x242	215-410 V	380 V ±1%	180x100x120(h)-1.420 kg.	✕	✕
	250	3x303	215-410 V	380 V ±1%	180x100x120(h)-1.500 kg.	✕	✕
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	600	3x727	215-410 V	380 V ±1%	180x130x190(h)-3.300 kg.	✕	✕
	800	3x970	215-410 V	380 V ±1%	210x200x160(h)-4.900 kg.	✕	✕
		1.000	3x1.212	215-410 V	380 V ±1%	210x200x160(h)-5.365 kg.	✕
	1.200	3x1.455	215-410 V	380 V ±1%	✕	✕	✕
PROTECTIONS	** FULL PROTECTION & FULLY AUTOMATIC ** • Short Circuit Protection (Standard in 1 KVA to 150 KVA Units) • Over Current and Over Load Protection (Standard in All Units) • Phase Failure & Phase Lost Protection (Standard in All Units) • Input Protection with Input Circuit Breaker (Standard in 1 KVA to 150 KVA Units) • Over – Under Voltage Protection for Input & Output (Standard in All Units) • Independent Voltage Regulation for Each Phase (Standard in Three Phase Units) • Cleaning and Fix Phase Noise, Harmonics and Waveform Distortion (Standard in All Units) • 3x Forced Cooling Fans (Independent Cooling for Each Phase) (Standard in Three Phase Units) • Manual By-Pass, Digital Display and Auto Standby & Re-Starting Operation (Standard in All Units)						
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REGULATION SPEED	150 Volt / second			OPERATING TEMPERATURE		-10 C° to +60 C°	
VARIAC	HQ specially designed own production variac w/ round shape carbon brushes durable to breaking and high temperature						
FEATURES	● Full Protection ● Fully Automatic ● Sensitive Input Voltage Regulation (with Variac) ● Mechanical By-pass ● High Output Voltage Accuracy (±1%) ● High Efficiency >98% at Full Load ● Digital Motor Drive Control ● Ultra High Response Speed ● Digital Voltmeter - Digital Amperemeter ● Independent Cooling for Each Phase ● Independent Phase Control ● Bottom Wheels for Easy Carry ● Automatic / Manual Circuit Breaker ● High Quality MCCB's (HQ Module Case Circuit Breakers) ● Automatically Standby & Re-Starting Operation ● IP20 Enclosure Level (IP54 is optional) ● OPTIONAL Different Input & Output Voltages ● Audible-Visual Alarm ● Operating Frequency 50-60 Hz. ● Relative Humidity <90% ● Operating Altitude Max 3.000 Meter From SeaLevel.						
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SHUNT REACTOR & HARMONIC FILTER REACTOR

THREE PHASE UNIT SAMPLE



SINGLE PHASE UNIT SAMPLE



THREE PHASE UNIT CONTROL BOARD



BIG POWER UNIT SAMPLE



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