

GPSR

SERIES

3-3000 kVA

3:3
PHASE

1-50 kVA

1:1
PHASE

SERVO VOLTAGE STABILIZER

Servo Drive Structure, Microcontroller Controlled Heavy Duty Devices which Regulates Mains Voltage for Critical Loads

(P-P) 208/220/230/240/380/400/415/440/460/480/500 V
IP20, IP21, IP31, IP44, IP54,
Versions Available



INDUSTRY



TRANSPORT



MEDICAL



FEATURES

- Non-Linear Charges Drive
- Wide Power and Voltage Interval
- Fast Regulation
- High Reliability Thanks to Microprocessor and Smart Driver
- High Efficiency
- Load Transfer to Bypass Via Pole Charge Switch
- Safe and Economic Usage
- Digitally Displayed Status, Input & Output Measurements



CERTIFICATES



GPSR SERIES

3-3000 kVA 3:3 PHASE 1-50 kVA 1:1 PHASE

SERVO VOLTAGE STABILIZERS

MODEL (3:3 Phase)																															
Capacity (kVA)		3	6	10,5	15	22,5	30	45	60	75	100	120	150	200	250	300	400	500	600	800	1000	1250	1600	2000	2500	3000					
MODEL (1:1 Phase)																															
Capacity (kVA)		1	2	3,5	5	7,5	10	15	20	25	30	40	50																		
INPUT																															
In. Vol. Correction Interval		1:1 Phase: 160~260 VAC • 3:3 Phase: 275~450 VAC (Standard), 215~415 VAC (Optional)																													
In. Vol. Working Interval		1:1 Phase: 90~285 VAC • 3:3 Phase: 155~490 VAC																													
Operation Frequency		47~65 Hz																													
Line Input Protection		Overcurrent, Low and High Voltage Protection (Optional)																													
OUTPUT																															
Output Voltage		1:1 Phase: 220 VAC RMS ±2% • 3:3 Phase: 380 VAC RMS ±1%																													
Overloading		10sec 200% Load																													
Correction Speed		~90 Volt/sec																													
Upturn Period		~90 Volt/sec (160 VAC~250 VAC)																													
Output Protection		Short Circuit - Overcurrent Protection, Overvoltage Protection (Optional)																													
WORKING PRINCIPLE		Servo Motor, Microprocessor Controlled, Full Automatic																													
GENERAL																															
Cooling		Smart Fan System																													
Measured Value Monitor		MSR Panel Voltmeter (74x74mm) Output Voltage and Line Voltage Monitorization																													
Total Efficiency		1:1 Faz: >96% • 3:3 Faz: >97%																													
Mechanical Bypass		"Manually Controlled Line-PAKO SWITCH Selects Voltage Regulator" Switch Turn On/Off																													
Protection Level		IP 20																													
ENVIRONMENTAL																															
Operating Temperature		-10°C~50°C																													
Storage Temperature		-25°C~60°C																													
Relative Humidity		<90%, DIN (40040)																													
Altitude		<2000m																													
Noise Level		<50 dB (1 metersquare)																													
Documents		CE/TÜV Austria Hellas (ISO 9001)																													
MODEL (3:3 Phase)																															
Capacity (kVA)		3	6	10,5	15	22,5	30	45	60	75	100	120	150	200	250	300	400	500	600	800	1000	1250	1600	2000	2500	3000					
DIMENSIONS & WEIGHT																															
Cabinet Dimensions (mm)	Width	500			600			850			900			600			600			700			800			1400			1400		
	Depth	440			440			640			690			700			1170			800			1000			1000			1000		
	Height	1100			1190			1400			1630			1720			1700			1850			1950			1750			2050		
Net Weight (Kg)		55	65	120	135	154	183	237	330	356	456	545	565	1050	1150	1250	1500	2000	2500	2750	3500	3750	4500	5500	7000	8500					
MODEL (1:1 Phase)																															
Capacity (kVA)		1	2	3,5	5	7,5	10	15	20	25	30	40	50																		
DIMENSIONS & WEIGHT																															
Cabinet Dimensions (mm)	Width	420			450			550			600			500			500														
	Depth	230			350			350			400			500			700														
	Height	230			270			270			320			850			850														
Net Weight (Kg)		15	16	29	40	47	55	75	125	136	163	180	210																		

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