

# OMEGA30000 SERIES

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## ◆ THREE PHASE 8-4000KVA FULLY AUTOMATIC STATIC VOLTAGE STABILIZER

### GENERAL SPECIFICATIONS

- ◆ Advanced Technology Product, Fully Digital Multi microprocessor control
- ◆ Thyristor Tap Changer
- ◆ Zero Transfer/No Distortion
- ◆ 20 millisecond response time
- ◆ 5000V/Second correction speed
- ◆ Overload, Overcurrent protection
- ◆ Over Voltage, Low Voltage Protection (Surge, Sag, Spike)
- ◆ Output Short-Circuit Protection
- ◆ EMI / RFI Noise Filter
- ◆ True RMS-Actual effective measurement and display order
- ◆ Graphic LCD Display
- ◆ Password Controlled User Parameter Settings Manual
- ◆ By-Pass (Standard) / Auto By-Pass (Optionally)
- ◆ Insulation transformer (optional)



- ◆ Compact Production
- ◆ Browser based remote management with ethernet connection
- ◆ MOD-BUS with RS485 connection (optional)
- ◆ Production with ISO9001-2008 quality management system

TECHNICAL SPECIFICATIONS	
<b>INPUT</b>	
<b>Input Voltage Range</b>	1F+N (170-260V), (150-260V), (130-260V), (110-270V), (90-280V), (80-270V) 1F+F (295-450V), (260-450V), (225-450V), (190-470V), (155-485V), (140-485V) (400 V & 415V optional)
<b>OUTPUT</b>	
<b>Output Voltage</b>	1F+N (220 V) +/-% 1~3, 1F+F (380 V) +/-% 1~3 (400 V ve 415 V optional)
<b>Process Control</b>	SCR(Thyristor) TapChanger-ZeroCurrentSwitching-FullRegulation at one cycle
<b>Control Types</b>	Multi-MicroprocessorControl(DSPIC)
<b>Operation Frequency</b>	50 Hz +/-%5 (60 Hz Adjustable)
<b>Efficiency</b>	>% 97 (Under nominal conditions, full load)
<b>Operating temperature</b>	Between -10C + 50 C range (special cooling unit)
<b>Protections</b>	Passive and electronic protection (overvoltage, undervoltage, overcurrent, peak, surge, sag and spike protection)
<b>Display</b>	Per Phase Graphic LCD Display Output Voltage, Output Voltage, Output Current, Load Percentage, Output Frequency, Regulator Status and Fault Information, Warning for Overload, Over Temperature, Input Fault, Output Fault Warning, information can be monitored.
<b>Communication</b>	Dry Contact (Optionally; Ethernet / GPRS / USB / MODBUS TCP / IP)
<b>Filter</b>	At the entrance of the system there is an electricity noise filtering special filter system and network filters.
<b>By Pass</b>	Manuel By pass (Optionally; Auto By Pass)
<b>Relative humidity</b>	% 90 (condensing)
<b>Acoustic Noise</b>	Less than 50 dB (A)
<b>Protection Class</b>	Ip 20 (Optionally; Outdoor Cabins)
<b>Standarts</b>	EN 62040-1, EN 62040-2