

PWR11 Servo Voltage Stabilizer 1-Phase

1- 50 kVA



General Features

Power Electronic voltage regulators are the devices containing advance technology manufactured to be used mainly in industry and military especially in main machines, elevators which are sensitive and requiring speed adjustment and in installations and organizations in aerial lines and those that have rush current problems Protect yourself from voltage fluctuations with low and high voltage.

Wide Model Option

There are more than 200 standard models, monophase form 1kVA up to 40 kVA.

Wide voltage option

The monophase in standard models is 160-250 volts input and 220 volts output. Triphase is 275-450 volts and the output is 380 volts. Manufacturing with the desired voltages can be performed upon the order.

Output Voltage

POWER Servo-Control system voltage regulator has consisted of triodial transformer, auxiliary transformer and the servomotor controlling the variant transformer and the electronic circuits controlling this motor according to the output voltage. Together with the control system containing quick response time corrects the small voltage changes in the input of high starting torque DC motor string. When the servo-motor input voltage is out of the operating limits, it is disabled by the control circuit when the output voltage is set automatically to the desired value by the limit-switch. The energy of the motor is stopped with the help of the electronic braking circuit when the regulation is complete and it works silently.

1- 50 kVA



Phase	1 Phases										
Power	1 KVA	2 KVA	3.5 KVA	5 KVA	7.5 KVA	10 KVA	15 KVA	20 KVA	30 KVA	40 KVA	50 KVA
Input											
Regulation Voltage	Range 165 - 255 VAC At full load										
Regulation Voltage Range	130 - 270 VAC maximum range with output voltage deration										
Frequency	45-65 Hz										
Output											
Nominal Voltage	220 /230/240 VAC RMS										
Voltage Tolerance	1% (Selectable Between 1-8%)										
Frequency Range	45-65 Hz										
Regulation Speed	70 - 200 V/sn										
THDv	0%										
Oberload performance	1 second at 150% load / 1 milisecond at 200%										
General											
Technology	Microprocessor Controlled, Full Automatic Servo										
Control	SC Microprocessor, H-Bridge MOSFET PWM Motor Drive Technics										
Cooling	Natural / Forced after 40 C										
Efficiency	98%										
Cooling	Temperature Controlled Cooling System										
Protection	Output Short Circuit, Overload, Output High / Low Voltage, Over Temperature, Motor Fault, Ground-Neutral (Optional) Protection										
Merhanical Bypass	Manual Mains/Regulator Breaker										
Control Panel											
Display	2x16 Character LCD Display, Special LCD for each phase (Optional)										
Alert-Event memory	Mimic Diagram, Fault Warning LEDs / Real Time 1024 pcs Event/Alert Memory										
Monitoring	True RMS Input/Output Voltage, Load Percentage, Frequency Measurement										
Communication											
Dry output contacts	Regulator Normal Operation(NO,C,NC); High/Low Output Voltage Warning (NO,C,NC)										
Remote monitoring	Over Network/LAN (Optional)										
Environmen											
Operating temperature	-25°C ~ 50 °C / Others optional										
Relative humidity	< 95% (Non-Condensing)										
Audible Noisy	<45 dB										
Altitude	≤ 3000 m										
Protection class	IP21/ Others optional										
Standards											
International standards	IEC 60335, IEC 62040 , CE, ISO-9001										