



ENERJİTEM

GÜNEŞ ENERJİSİ, ELEKTRİK VE GÜÇ ÇÖZÜMLERİ



Energy Source of Your Business

PRODUCT RANGE

1)UPS(UNINTERRUPTIBLE POWER SUPPLY)

2)SERVO VOLTAGE REGULATORS

3)STATIC VOLTAGE REGULATORS

4)SOLAR PANELS

5)ELECTRIC VEHICLE CHARGING STATIONS

6)INVERTORS

7)BATTERIES

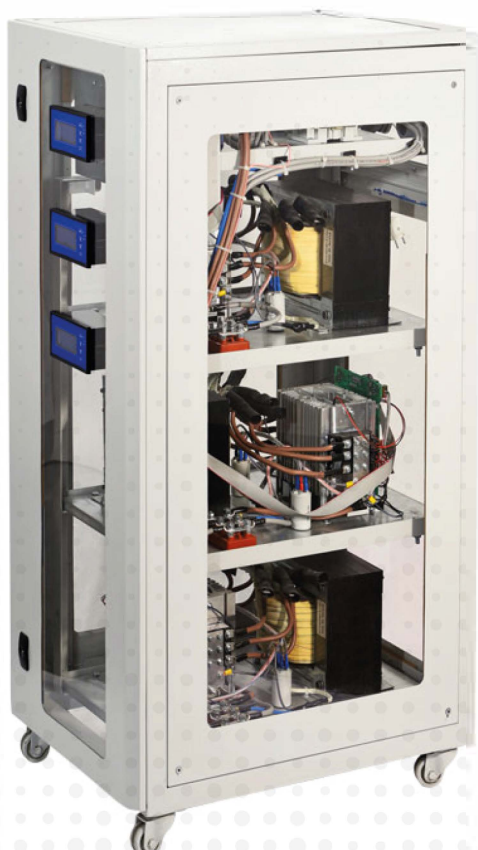


30-3500 KVA



STATIC REGULATOR TECHNICAL SPECIFICATIONS

- Thyristor control with PWM technology.
- 3 LCD displays. (Voltage, current, tolerance and protection levels can be seen)
- Correction (control) speed: 20 ms. (5000 VAC / sec)
- Input voltage range: 150 - 250 VAC phase to neutral; 275 - 450 VAC between phases.
- Output voltage range: phase to neutral 220 vac; 380 VAC between phases.
- Output voltage tolerance: 2%
- Device efficiency: 96%
- Operation at - 10 to + 55 °C.
- Ability to meet the overload (500%) for 20 milliseconds.
- With overload, short circuit, over heat and voltage protection unit.
- Glass fiber wire transformer is wound and resistant to 250 degrees heat.
- EM / / RFI noise filter.
- Output voltage and sensitivity tolerance adjustable from the front panel.
- Timed fan cooling.
- Fault signal (with audible light).
- The protection unit of the regulator is activated with a delay of 10 seconds.
- 1 - 0 - 2 Mechanical by-pass switch. (1: mains, 2: regulator)
- The device is guaranteed for 2 (two) years against manufacturing defects.
- 10 years spare parts supply is guaranteed.
- Free of harmonic distortion



30-3500 KVA**Static Regulator****Compact Switch Protection**

The regulator has the on /off feature via the panel. In cases such as overcurrent, overvoltage, undervoltage and output short circuit, the device is electronically protected and the output is cut off. In addition, extra security is provided by opening the compact switch as a mechanical separator.

High Inrush Current

Static Voltage Regulators respond very quickly to loads that require high inrush current, thanks to semiconductor elements (thyristor) resistant to sudden and high currents. These semiconductor elements can withstand 10 times the rated current for 20 milliseconds. On the other hand, in servo motor voltage regulators, even at the start of an induction motor, a very high temperature will occur at the contact point of the brushes due to the contact resistance, causing damage to the surface of the brush and the transformer.

Protection Functions

Overvoltage-undervoltage Protection; limits the highest and lowest voltage values to the receivers connected to the device. The user can control these values and, in case of exceeding these values, by adjusting the voltage cut-off time to the receivers via the front panel. Overcurrent-output short circuit protection; The nominal currents drawn by the loads connected to the device

LCD Front Panel

Thanks to the mimic diagram on the front panel, information about the operating status of the device can be obtained at first glance. Thanks to the LCD display with different language options, the input and output values (voltage, current, frequency) of the device can be read and calibrated. Input voltage upper and lower levels are regulated, output voltage lower and upper levels, over-low and over-high voltage cut-off times, negative and positive polarity settings for voltage calibration are parameters presented to the user with password control.

Main Usage Areas

CNC controlled lathes, mills, erosion, machining centers, computerized woodworking machines, laser cuttings, printing machines, electronic typesetting machines, industrial robots, radio-TV transmitters, base stations, communication systems, hospitals, medical devices, electric motors, air conditioning Lighting systems, light and sound studios, houses, offices and buildings in inrush loads such as fans, pumps, centrifuges.

High Reliability.

Static Voltage Regulators are completely microcontroller controlled, thyristor controlled and work with digital technology. It protects itself and the load it supplies in abnormal situations such as dangerously low or high mains voltage, overcurrent, excessive heat and output short circuit. RFI and EMI filters are available as standard in all powers.

Very High Correction Speed

Static Voltage Regulators sense the change in voltage in the first period of the network and put the output voltage in the range of 220V +2% in one period (20 milliseconds).