



Betelco
POWER SOLUTIONS



30kVA - 500kVA
AUTOMATIC VOLTAGE REGULATOR (AVR)

AN ISO 9001:2000 CERTIFIED COMPANY



CERTIFICATE NO. 0404021

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...delivering the best value and service



বেঙ্গল টেলিকমিউনিকেশন এ্যাণ্ড ইলেকট্রিক কর্পোরেশন (প্রাঃ) লিঃ
Bengal Telecommunication & Electric Corp. (Pvt.) Ltd.

Manufacture, Supply, Installation & Maintenance
Services for all types of Electrical Works

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Description

AVR consists of transformer, servo-motor and control circuits. It is used to control voltage automatically of your substation resulting in stepless continuous improvement and stability in power system. AVR is suitable for all industrial equipments for control, automation and protection. The stepless continuous movement is achieved by bidirectional servo-motor and vertical carbon roller mechanism.

AVR body receives anti-corrosion surface treatment and coating, final color Betelco medium-grey.

Product Features

- **Extended Quality Components**
- **Quick Response**
- **High Reliability**
- **High Stability**
- **Continuous Output (stepless)**
- **Servo Type Vertically Moving Stabilizer**
- **No Distortion on the Output**
- **Overload Protection (Optional)**
- **Short Circuit Protection (Optional)**
- **Auto Trip and Reset System (Optional)**
- **High and Low Voltage Protection (Optional)**
- **Bypass Function (Optional)**

Specifications

Phase	Single Phase	Three Phase
Capacity	30 KVA~500 KVA	10 KVA ~ 500 KVA
Input voltage range	170V - 265V	300 V ~ 460 V
Output voltage range	220V/ 230V/ 240V , 50Hz	380V/ 400V/ 415 (continuous), 50Hz
Cooling	Oil cooled	Oil cooled
Installation	Indoor	Indoor
Control system	Servo motor	Servo motor
Correction accuracy	±1.5%	±1.5%
Wave form distribution	Negligible	Negligible
Transient suppression	Upto 800 V peak	Upto 800 V peak
Correction Speed	30 V/Sec	30 V/Sec
Load power factor effect	Null	Null
Environment condition	4°C to 50°C, 98% Relative Humidity	4°C to 50°C, 98% Relative Humidity
Efficiency	>98%	>98%

In the interest of continuous technical development, the above specifications are subject to change without prior notice.

Note : AVR of other specifications can be manufactured as per customers requirements.

Applications

- ▶ **Industries**
- ▶ **Telecommunication Equipments**
- ▶ **Defense Equipments**
- ▶ **Hospitals**
- ▶ **Computer Systems**
- ▶ **Scientific Equipments**
- ▶ **Injection Moulding Machines**
- ▶ **Aircondition Plants**

WARRANTY: We provide warranty against any material and workmanship defect for a period of 12 months from the date of delivery. We will repair/replace the defective part/s within shortest possible time at our cost. After expiry of the warranty period, repair/maintenance of the equipment shall be carried out for a nominal fee.