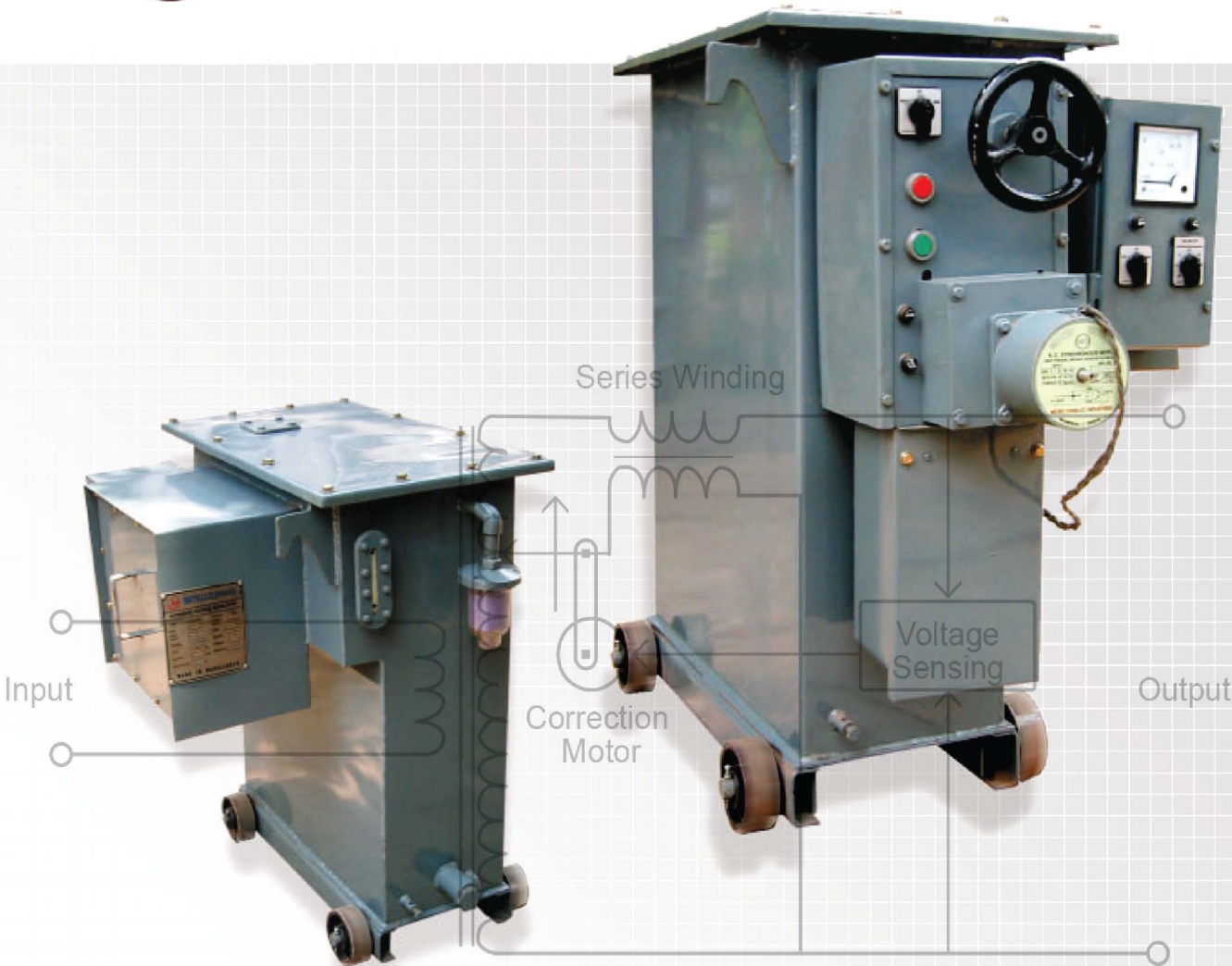




Betelco
POWER SOLUTIONS

30kVA - 3000kVA

AUTOMATIC VOLTAGE REGULATOR (AVR)



AN ISO 9001:2008 CERTIFIED COMPANY



CERTIFICATE NO. 0404021

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AVR

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বেঙ্গল টেলিকমিউনিকেশন এ্যান্ড ইলেকট্রিক কর্পোরেশন (পাঃ) লিঃ
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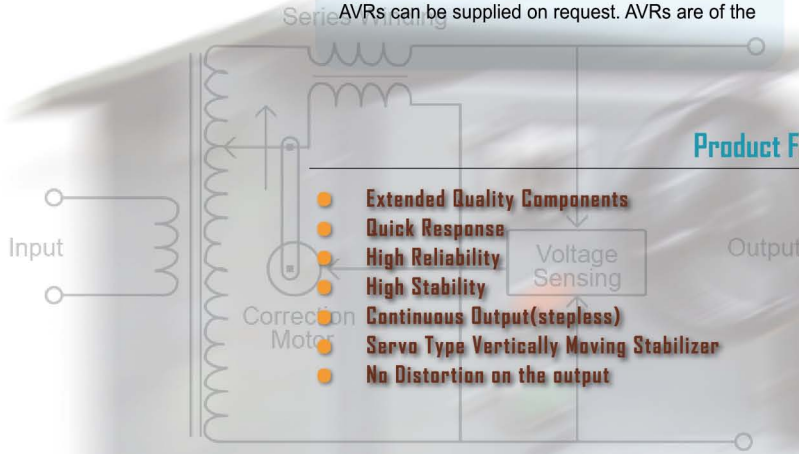
Description

AVR consists of **transformer, regulator 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.

3-phase AVRs are of industrial type. Range starts from **30kVA upto 3000kVA at 415 Volts. 11 kV** AVRs can be supplied on request. AVRs are of the

carbon roller contact type which moves up and down on the regulator windings. Its working principle is different from horizontal carbon brush rotary type mostly available in the market. Being of the roller contact type its **wear and tear in much less and durability in very high**. Our AVRs are **very robust** and **MTBF** (Mean Time Between Failures) is **very long**. Price is comparatively higher but the **cost is offset by its superior performance**.

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)

Specification

Phase	Three Phase
Capacity	30 kVA ~ 3000 kVA
Input voltage range	300V ~ 460V
Output voltage range	380V/ 400V/ 425 (continuous), 50Hz
Cooling	Oil cooled
Installation	Indoor
Control System	Servo Motor
Correction accuracy	±1%
Wave from distribution	Negligible
Transient Suppression	Upto 800V peak
Correction Speed	30V/Sec
Load power factor effect	Nil
Environmental Condition	40°C to 50°C, 98% Relative Humidity
Efficiency	99%

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 customer's requirements.

Applications

- ▶ Industries
- ▶ Telecommunication Equipment
- ▶ Defense Equipment
- ▶ Hospitals
- ▶ Computer Systems
- ▶ Scientific Laboratories
- ▶ 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 parts 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.