

# Rectifiers

*For Efficient Conversion of AC to DC*



ISO 9001 : 2000  
Cert. Regn. No. QM 01 00098



**Perfect  
Engineering Works**

### Some Important Applications :



- Electrochemical such as Electroplating, Anodizing, Electrophoresis etc.
- Battery Charging
- DC Drives
- High Voltage Testing Set
- Power Supplies
- Pulse Injecting

**Table 1 : Ripple Content for various types of connection (%)**

1 Ph. Half Wave	1 Ph. Full Wave	3 Ph. Half Wave (Star)	3 Ph Full Wave	6 Ph. Series bridge on parallel bridge
121 %	48 %	18 %	4.2 %	1.2 %

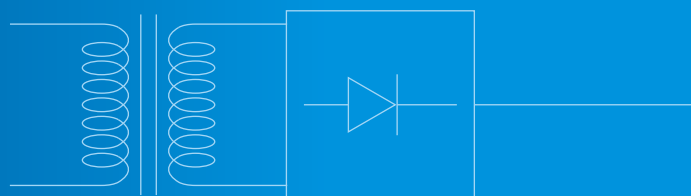
Note : The values indicated are theoretical minimum. They will increase to certain extent due to various factors in each case.

**Table 2 : Amount of tolerable ripple in different applications**

	Simple Battery Charging	Motor Speed Control	High Voltage Testing	Telephone Exchange Power	Battery Eliminator Applications	Electro-chemical
Tolerable Limit of Ripple content in %	50 %	Unlimited	50 %	2 m V (Psophometric)	0.5 % max.	5 % to 50 %

### Information required with the enquiry :

- A.C. Supply details
- D.C. Voltage & Current
- Operation Manual / Auto or Selectable
- Metering
- Protections - available & needed



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