### **REGULATOR RECTIFIER**

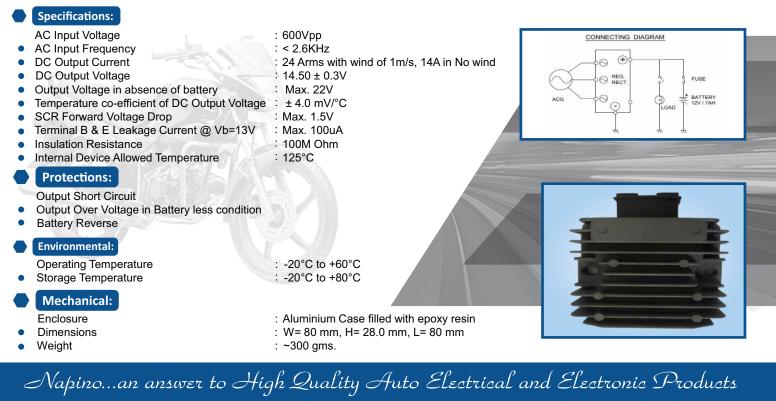
## Single Phase Full Wave Series RR

This single phase full wave SCR based series RR being used in motorcycles and scooters for Battery charging when vehicle is running. It controls the battery voltage within desired voltage range throughout the vehicle RPM range. This RR is designed to operate with Battery and in no Battery connected. The advantages of this RR is to provide stable voltage in Battery less condition and the sufficient charge current at lower RPM.



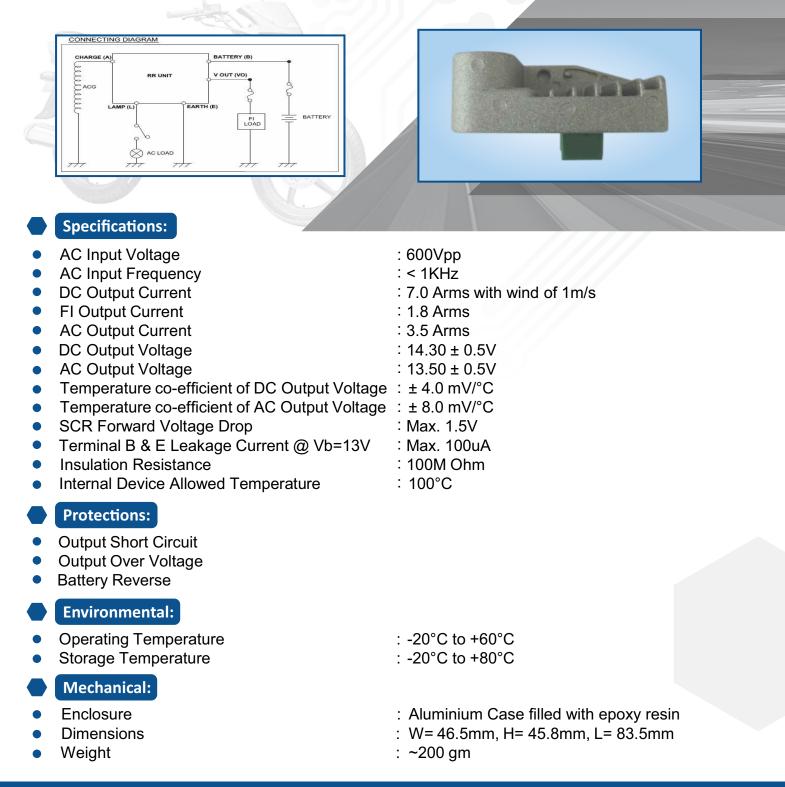
#### **Three Phase Full Wave Shunt RR**

This Three phase full wave SCR based shunt RR being used in motorcycles for Battery charging when vehicle is running. It controls Battery voltage within desired voltage range throughout the vehicle RPM range. The advantage of this RR is to achieve Battery charging commencement at lower RPM and less variations in Battery voltage through out the entire RPM range. This RR can be used to operate the vehicle in absence of Battery with external capacitor



#### Single Phase Half Wave Series RR (Every Cycle Control)

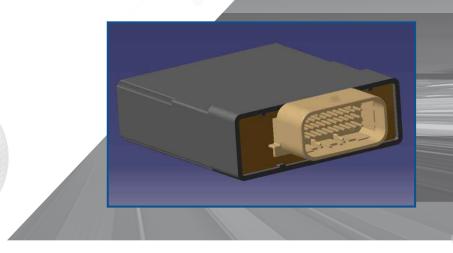
This single phase half wave series RR being used motorcycles and scooters for Battery charging when vehicle is running. It controls the Battery voltage within desired voltage range throughout the vehicle RPM range. This RR controls the Battery Charging voltage in every positive cycle and to illuminate AC lamp loads during negative half cycle of the input ac voltage which results in constant current control in every positive and negative half cycle. The main advantage of this RR is to provide constant voltage to the FI system in presence of Battery and Battery less condition. This RR will reduce the variations in Battery voltage and AC lamp voltage through out the entire RPM range. In this RR every cycle of the input ac voltage is utilised resulting in no fluctuation in lamp voltage and battery voltage irrespective of any lamp loads



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# **Body Control Module (BCM)**

This BCM unit being used in motorcycles and scooters for control & drive constant current through LED Lamps. controls & drive constant current within desired current range. The advantage of this BCM unit combine different LED lamp drivers, control, switch sensing, winker flasher, fault diagnosis through CAN circuit in one housing & fulfil automotive standards as per requirement. (Ex. Faulty winker will be off & complimentary winker flashing with double frequency)



: 9 – 16VDC

#### Specifications:

DC Input Voltage VDC

DC Output Current High Beam : upto 1 A DC Output Current Low Beam : upto 1 A **DC Output Current Position** : 240 mA DC Output Current Winker : 155 mA DC Output Current Tail : 250 mA DC Output Current Stop : 250 mA DC Output Current Switch Illumination Current : 100mA **DC Output Current Licence** : 60mA Communication : CAN **Protections: Output Short Circuit** Output Short to battery **Battery Reverse Environmental:** : -20°C to +70°C **Operating Temperature** Storage Temperature : -20°C to +85°C Mechanical: Enclosure : Nylon Case filled with epoxy resin : W= 80 mm, H= 28 mm, L= 90 mm **Dimensions** Weight : ~340 gms.

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