

**QUESTION**

What is the charging capacity of the Buell® 1125R?

ANSWER

The Buell® 1125R is equipped with a 432 watt alternator designed to manage the original equipment manufacturers vehicle electrical loads and supplied 10 amp accessory plug. This system is designed to maintain and recover the battery's charge under normal operating conditions, which is considered ride time over 3000 rpm's. In some instances, the duty cycle and current draw may create a charging system deficit below 2000 RPM's. In riding situations where the customer experiences excessive idle time or extended riding below 2000 RPM's or is using high wattage accessories in conjunction with the high beams under 2000 RPM's, it may cause the charging system to operate at a deficit. In any of these situations, maintenance with a Battery Tender is recommended while the vehicle is not in use.

The Buell® 1125R is equipped with a 10 amp accessory plug under the front module. Power to the accessory plug is controlled by the ECM through a relay. If the battery voltage drops below 11.9 volts the ECM will remove power from the accessory plug until the battery recharges to 12.4 volts. This system feature is designed to maintain the battery's charge. Buell offers heated grips that adapt directly to the accessory plug.

The Buell® 1125R charging system is designed to operate with the original equipment manufacturers vehicle electrical loads plus the heated grip accessory. Additional accessory electrical loads may cause the charging system to operate at a deficit regardless of RPM, which will discharge the battery. Accessories connected directly to the battery will draw electrical current regardless of the battery's charge voltage or vehicle operation. We do not recommend adding unauthorized accessories directly to the battery. If other accessories are added to the electrical system, they should be wired directly into the accessory plug so that the ECM can shut off power to the accessory in the event battery voltage drops below 11.9 volts.

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