

All Electric Battery Conversion

VIN No. 16G003007
Make Yamaha G650
Year 1982
Mileage 14,970 (April 2011)
Owner Victor Wowk
Albuquerque, NM



History

This vehicle was brought out of salvage in ~1995 and converted to electric by a gentleman in Sacramento, CA. It was purchased by Mr. Sam Palahnuk of Burbank, CA in 1997, and made “street legal.” The motorcycle was sold to Victor Wowk in January 2003 for \$510 after sitting idle for 2.5 years.

The vehicle underwent a complete restoration, including frame paint, and total rewiring in 2003. New tires, seals, gaskets, and bearings. No accident history. Original frame, suspension, wheels, handlebars, and brake systems.

Features

Hydraulic disk brakes in front, drum brake in rear. Center stand and side stand. Original windshield and fairing top. No liquid leaks on my garage floor. It is clean under this Yamaha.

This is Mr. Wowk’s 4th electric conversion. It is a one-of-a-kind machine.

Comes with a 3-ring binder of parts, schematics, instructions and the original Yamaha manual.

It is fully street legal and insured and registered in New Mexico.

Motor

Advanced DC 6.75" K91-4003 – continuous 7.8 hp; peak 22 hp. Motor mount engineered for precise alignment to driveshaft and adjustable.

Controller

Curtis 1209B-6402 MOSFET 72 volts, 400 amps, max.

- Batteries** Hawker Cyclon BC cells, lead acid at 2.0 volts, and 25 Ahr each. There are two 72v battery banks, each with 36 batteries. The total capacity of all 72 batteries is 3.6 KWh.
- Weight** Approximately 600 lbs.
- Drivetrain** Motor is coupled directly to original driveshaft with a 3:1 reduction.
- Charger** Zivan NG1, mounted under seat.
- Performance** Range 15 miles to 50-percent depth of discharge
136 watt-hours/mile
Top speed-unknown. I have had it up to 70 mph.
- Electrical** Two contactors, DC-DC converter, 12v auxiliary battery, digital voltmeter, 12v auxiliary voltmeter, manual disconnect, speedometer and odometer works, all lights and turn signals functional, Curtis state of charge meter.
- Reason for Sale** Have since converted a Honda Civic and have not ridden this Yamaha much in the past year.