

# **Siemens Smart Chopper**

## **-- FACT SHEET --**

### **Project Summary**

- Siemens has teamed up with renowned custom motorcycle manufacturer Orange County Choppers to build the first custom electric American chopper.
- The Siemens "Smart Chopper" is made from both new and recycled materials.
- The Siemens Smart Chopper was unveiled in an event at the Time Warner Center in New York on Aug. 12, 2009.
- The air date on TLC is October 22, 2009.
- The bike will tour the country for the next year to promote the message of sustainability and green technologies.
- Siemens will auction the bike and donate the proceeds to charity in 2010.

### **General Features**

- First custom electric American Chopper
- Made from new and recycled materials
- LED lighting by OSRAM SYLVANIA, a Siemens company
- Range of 60 miles on a single charge
- On-board charger that can be plugged into any 110-volt outlet; recharge time of 5 hours (1-2 hours with a charging station.)

### **Technical Specifications**

- Engine: Type Advanced DC Motors Inc. series wound 8-inch motor with 27 peak horsepower and 72-96 volts peak electrical output
- Battery: Type 72-volt DieHard AGM batteries (6 12-volt cells)  
Capacity 72 volts with input standard 110V
- Transmission: Direct drive Clutchless one-speed with 4:1 dual-chain drive
- Chassis/Suspension: Rigid frame
- Brakes: Front Brakes are fully hydraulic, stainless steel dual disc (hand controlled);  
Rear Brakes are fully hydraulic, stainless steel dual disc (foot controlled)
- Front Tire 21 x 3.5 Metzeler and Rear Tire 18 x 10.5 (300mm) Metzeler
- Wheelbase 120 inches and head angle 40 degrees plus 5 in trees
- Frame approx. 75 lbs; total weight about 700 lbs