

# ZERO S 2009

## TECHNICAL SPECIFICATIONS

### MOTOR

Type	Brushed permanent magnet electric
Torque	62.5 ft-lbs (84.6 Nm)
Peak Horsepower	31 peak horsepower
Peak Electrical Input	22,000 Watts
Top Speed	60 mph (96.6 kph)

### POWER SYSTEM

Type	Patent-pending lithium ion array
Capacity	4 kWh (58 volts @ 70Ah)
Range	Up to 60 miles (97 km)
Recharge Time	Less than 4 hours
Input	Standard 110V or 220V

### DRIVE TRAIN

Transmission	Clutchless One Speed
Drive System	17t/53t, 420 chain

### CHASSIS/SUSPENSION/BRAKES

Front Suspension Travel	8 inches (203 mm)
Rear Suspension Travel	9 inches (229 mm)
Front Brakes	2 Pot Hydraulic, Stainless Rotor, Hand Actuated, Full Float
Rear Brakes	1 Pot Hydraulic, Stainless Rotor, Foot Actuated, Full Float
Front Tire	110/70-16
Rear Tire	140/70-16
Front Wheel	16 x 3.0
Rear Wheel	16 x 4.0

### DIMENSIONS

Wheel Base	55.75 inches (141.6 cm)
Seat Height	35.5 inches (90.2 cm)
Head Angle	24 degrees
Trail	3.26 inches (82.8 mm)

### WEIGHT

Frame	29 pounds (13.2 kg)
Power Pack	80 pounds (36.3 kg)
Total Weight	225 pounds (102.1 kg)

### ECONOMY

Operating Cost	Less than \$.01 per mile (or kilometer)
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**ZERO S 2009**  
STREET LEGAL ELECTRIC PERFORMANCE

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The Zero S is a high performance supermoto motorcycle that is revolutionary because it is fully electric. Imagine instant torque and power from a standstill. Imagine smooth acceleration as you race out of turns. Then, imagine never needing to stop at the gas station.

Developed to aggressively take on urban environments and encourage the occasional detour, the Zero S integrates revolutionary technology with innovative motorcycle design. Using Zero Motorcycles' proprietary Z-Force™ power pack and aircraft grade alloy frame, the Zero S features an industry leading power-to-weight ratio that increases its range and maneuverability.

Instant acceleration and a lightweight design enable the Zero S to take on any city street, hill or obstacle. Whether accelerating onto the highway or out of the turns, the Zero S is designed for performance.

