THE NEW TACTICAL ADVANTAGE

AUTHORITY
EFFICIENT. EFFECTIVE. ELECTRIC.

Zero Motorcycles is the next step in police and authority motorcycle evolution. Stealthy, clean and efficient, electric motorcycles provide a new tactical advantage in law enforcement, emergency services and military applications.

With no gears, clutch or noise, Zero motorcycles are easy to operate and improve situational awareness. While in crowds or indoors, the absence of exhaust eliminates ventilation concerns and creates new patrolling scenarios. Over 100 agencies worldwide benefit from having Zero motorcycles in their fleet.

ZERO MOTORCYCLES ARE UNIQUELY SUITED FOR

- Patrolling public lands, parks, beaches, trails, running paths
- Event safety and crowd control at concerts, parades, sporting events
- Traffic enforcement in dense urban centers, pedestrian areas and surface streets
- Stealth patrol for drug enforcement, border/perimeter security, college campuses and any situation where silence is an advantage
- Emergency response scenarios where maneuverability and agility are key
REASONS TO RIDE ELECTRIC

- Economical to operate – about a penny-per-mile in “fuel” cost
- Easy to maintain – powertrain requires no scheduled maintenance
- Built to last – batteries exceed the life of the motorcycle
- Community connection – quiet and environmentally conscious

NEW TACTICAL ADVANTAGES

- No shifting, instant torque from 0 rpm
- Silent idle and stealthy pursuit
- Lightweight, highly maneuverable
- Rapid acceleration up to 102 mph
- Rugged on/off-road versatility

ELIMINATE GASOLINE COMPLICATIONS

- Reduce noise and exhaust disturbances
- Eliminate gas and oil spills
- Eradicate burn and fire risks
- No tailpipe emissions
- Never stop for gas, “refuel” from any standard outlet

GRANTS AVAILABLE

Grants may be available for both public and private organizations when purchasing electric patrol vehicles. Grants – and other incentives – can offset some or all of the vehicle purchase price. For additional info, contact http://www.policegrantshelp.com/
ZERO DSRP™
Zero's most powerful police motorcycle
- High performance dual sport
- ZForce® 75-7R motor with high-temp magnets
- 116 ft-lb torque, 70 hp
- Rapid acceleration
- 102 mph top speed

POLICE AND AUTHORITY MOTORCYCLES
“This motorcycle is so quiet that we continuously sneak up on suspects while out on patrol, and we continue to receive positive feedback from the public.”

Officer Steve Carbajal, L.A.P.D. Off-Road Unit (CA)

“It costs us about a dollar a day versus $15-20 to run a gas-powered motorcycle.”

Lt. Chris Perry, Ceres, CA Police Dept. (CA)

“The ease of use, positive public relations and downright fun have proven invaluable to our department.”

Sgt. James D. Fincher, Cobb County Police Department (GA)

“Zero motorcycles are just what we needed: nimble enough for working in crowds, durable enough for tough off-road use.”

Sgt. Adam Vassallo, Traffic Supervisor, Sacramento Police Department (CA)

“They are a delight to operate while giving us expanded patrol options.”

Chief Stephen Gahagans, University of Arkansas Police Department (AR)

“We can stay out of sight and still close distance quickly and quietly, which diminishes a suspect’s opportunity to flee.”

Lt. James Williams, Denver Police Department (CO)

ZERO FXP™
Compact, quick and responsive, off-road ready.
- Ideal for tight quarters such as arenas and congested areas
- Off-road capability for parks, beaches, open spaces
- Light weight at 302 lbs
- Quick acceleration with 78 ft-lb of torque
- Low purchase price and operating costs
CUSTOM BUILT TO YOUR SPECIFICATIONS

- Rear radio top box and rack
- Top box by GIVI® and rack
- Hand guards
- Side cases by GIVI® and rack
- Whelen® TIR3 lights and siren
- Detachable windscreen
- Aux rear LED brake/tail light with license plate holder
- Telescoping pole light (blue LED)

<table>
<thead>
<tr>
<th>MODELS</th>
<th>Zero DSRP</th>
<th>Zero FXP</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLORS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAPACITIES</td>
<td>ZF14.4, ZF14.4 +Power Tank</td>
<td>ZF7.2</td>
</tr>
</tbody>
</table>
Model shown: Zero DSRP with available options.

STANDARD POLICE PACKAGE

- Whelen® TIR3 Emergency Lights – front, side and rear-facing
- Whelen® Siren with PA and Microphone
- Front battery/frame protection bars (drop bars)
- Stealth mode switch – headlight, taillight, dash light cut switch
- Locking tank trunk

AVAILABLE OPTIONS FOR POLICE MODELS

- Power Tank (extends range on Zero DSRP)
- Charge Tank (reduces charge times on Zero DSRP)
- Off-board Quick Chargers (reduce charge times on all models)
- Rear rack, top box, side cases
- 12 V accessory socket kit
- Hand guards
- Aggressive foot pegs
- Rain guard
- Chain kit
- Windscreen
- Telescoping pole light
- LED license plate holder
- Parking brake
- Smartphone mount
COVERT AND CUSTOM

The Zero MMX is perfectly suited to military applications where silence, low heat signature, lack of exhaust, ease of operation and responsiveness are essential. Using Zero Motorcycles’ industry leading Z-Force® powertrain, it features quick swappable power packs, direct drive gearing and an air-cooled motor. With no transmission, powertrain fluids or gas, and weighing only 275 lb, the Zero MMX is easy to transport and maintain.

While designed for military personnel, the Zero MMX is available to civilian agencies for off-road use.
STANDARD FEATURES
- Keyed ignition
- Digital dash
- Modular and quick swappable power packs
- Ability to operate in wet conditions with a one-meter submersion capability
- Hand guards
- Tie downs and tow cables
- Aggressive foot pegs
- Chain drive
- Off-board charger
- Off-road tires
- Kickstand

AVAILABLE OPTIONS
- Top rack
- Front frame protection/accessory mounting bars
- Parking brake
- 12V accessory socket
- Passenger foot pegs

Model shown: Zero MMX with available options.
THEIRS.

Internal combustion: complicated, wasteful, high maintenance.

OURS.

Z-Force® motor: elegant, efficient, contains one moving part.
Z-Force® Motor
Massive Torque

The Z-Force® motor was designed by Zero Motorcycles in Santa Cruz, California, and engineered for optimum performance, efficiency, size and reliability. With no fluids to maintain and a single moving part, the motor delivers trouble-free performance for the life of the vehicle.

- Up to 116 ft-lb of instant torque and 70 hp
- Smooth, rapid acceleration in all conditions
- Requires no routine maintenance
- Air-cooled with no coolant to change or leak
- Regenerative braking extends range

Z-Force® Power Pack
More Energy

Zero Motorcycles’ proprietary battery systems feature the highest energy and power density in the electric vehicle industry, providing the longest range of any production electric motorcycle. Advanced Li-Ion cell chemistry and battery management systems ensure a maintenance-free lifetime of service.

- Power packs on police models are backed by a five-year, unlimited mileage warranty (one year on Zero MMX, restrictions apply)
- Cells last 2,500 full charge cycles and retain greater than 80% capacity
- Robust, weatherproof batteries are reliable, even in harsh conditions
- Advanced battery management system with enhanced 24/7 cell monitoring
- Available Power Tank extends range on Zero DSRP

Zero’s Mobile App
Get Connected

Customizing performance and managing your fleet of motorcycles is made easy with the free Zero Motorcycles mobile app. While riding, the app provides real-time data and serve as a supplemental dash display. While parked, with the app you can:

- Customize top speed, max torque and regenerative braking
- See detailed analysis of battery and charging status
- View data on energy use, “fuel” economy and cost savings
- Send diagnostic information to Zero Motorcycles
- Save time and money by updating vehicle firmware


## SPECIFICATIONS

### RANGE

<table>
<thead>
<tr>
<th></th>
<th>ZERO DSRP ZF14.4</th>
<th>ZERO DSRP ZF14.4 +POWER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td>157 miles (253 km)</td>
<td>196 miles (315 km)</td>
</tr>
<tr>
<td>Highway, 55 mph (89 km/h)</td>
<td>88 miles (142 km)</td>
<td>110 miles (177 km)</td>
</tr>
<tr>
<td>+ Combined</td>
<td>112 miles (180 km)</td>
<td>141 miles (227 km)</td>
</tr>
<tr>
<td>Highway, 70 mph (113 km/h)</td>
<td>64 miles (103 km)</td>
<td>80 miles (129 km)</td>
</tr>
<tr>
<td>+ Combined</td>
<td>91 miles (146 km)</td>
<td>114 miles (183 km)</td>
</tr>
</tbody>
</table>

### MOTOR

<table>
<thead>
<tr>
<th></th>
<th>ZERO DSRP ZF14.4</th>
<th>ZERO DSRP ZF14.4 +POWER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak torque</td>
<td>116 ft-lb (157 Nm)</td>
<td>116 ft-lb (157 Nm)</td>
</tr>
<tr>
<td>Peak power</td>
<td>70 hp (52 kW) @ 3,500 rpm</td>
<td>70 hp (52 kW) @ 3,500 rpm</td>
</tr>
<tr>
<td>Top speed (max)</td>
<td>102 mph (164 km/h)</td>
<td>102 mph (164 km/h)</td>
</tr>
<tr>
<td>Top speed (sustained)</td>
<td>90 mph (145 km/h)</td>
<td>90 mph (145 km/h)</td>
</tr>
<tr>
<td>Type</td>
<td>Z-Force® 75-7R passively air-cooled, high efficiency, radial flux, interior permanent hi-temp magnet, brushless motor</td>
<td>High efficiency, 775 amp, 3-phase brushless controller with regenerative deceleration</td>
</tr>
</tbody>
</table>

### POWER SYSTEM

<table>
<thead>
<tr>
<th></th>
<th>ZERO DSRP ZF14.4</th>
<th>ZERO DSRP ZF14.4 +POWER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power pack</td>
<td>Z-Force® Li-Ion intelligent integrated</td>
<td>Z-Force® Li-Ion intelligent integrated</td>
</tr>
<tr>
<td>Max capacity</td>
<td>14.4 kWh</td>
<td>18.0 kWh</td>
</tr>
<tr>
<td>Nominal capacity</td>
<td>12.6 kWh</td>
<td>15.8 kWh</td>
</tr>
<tr>
<td>Charger type</td>
<td>1.3 kW, integrated</td>
<td>1.3 kW, integrated</td>
</tr>
<tr>
<td>Charge time (standard)</td>
<td>9.8 hours (100% charged) / 9.3 hours (95% charged)</td>
<td>12.1 hours (100% charged) / 11.6 hours (95% charged)</td>
</tr>
<tr>
<td>+ With Charge Tank option</td>
<td>2.5 hours (100% charged) / 2.0 hours (95% charged)</td>
<td>N/A</td>
</tr>
<tr>
<td>Charge Tank option charging Speed</td>
<td>75 miles per hour (120 kilometers per hour)</td>
<td>N/A</td>
</tr>
<tr>
<td>With Charge Tank option + onboard</td>
<td>2.1 hours (100% charged) / 1.6 hours (95% charged)</td>
<td>N/A</td>
</tr>
<tr>
<td>6kW Charge-Tank + OE Onboard Charging Speed (City, 0 to 95%)</td>
<td>91 miles per hour (146 kilometers per hour)</td>
<td>N/A</td>
</tr>
<tr>
<td>+ With one accessory charger</td>
<td>5.7 hours (100% charged) / 5.2 hours (95% charged)</td>
<td>7.0 hours (100% charged) / 6.5 hours (95% charged)</td>
</tr>
<tr>
<td>+ With max accessory chargers</td>
<td>2.8 hours (100% charged) / 2.3 hours (95% charged)</td>
<td>3.3 hours (100% charged) / 2.8 hours (95% charged)</td>
</tr>
<tr>
<td>Input</td>
<td>Standard 110 V or 220 V</td>
<td>Standard 110 V or 220 V</td>
</tr>
</tbody>
</table>

### DRIVETRAIN

<table>
<thead>
<tr>
<th></th>
<th>ZERO DSRP ZF14.4</th>
<th>ZERO DSRP ZF14.4 +POWER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmission</td>
<td>Clutchless direct drive</td>
<td>Clutchless direct drive</td>
</tr>
<tr>
<td>Final drive</td>
<td>90T / 20T, Poly Chain® HTD® Carbon™ belt</td>
<td>90T / 20T, Poly Chain® HTD® Carbon™ belt</td>
</tr>
</tbody>
</table>

### CHASSIS / SUSPENSION / BRAKES

<table>
<thead>
<tr>
<th></th>
<th>ZERO DSRP ZF14.4</th>
<th>ZERO DSRP ZF14.4 +POWER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front suspension</td>
<td>Showa 41 mm inverted cartridge forks, with adjustable spring preload, compression and rebound damping</td>
<td>Showa 41 mm inverted cartridge forks, with adjustable spring preload, compression and rebound damping</td>
</tr>
<tr>
<td>Rear suspension</td>
<td>Showa 40 mm piston, piggy-back reservoir shock with adjustable spring preload, compression and rebound damping</td>
<td>Showa 40 mm piston, piggy-back reservoir shock with adjustable spring preload, compression and rebound damping</td>
</tr>
<tr>
<td>Front suspension travel</td>
<td>7.00 in (178 mm)</td>
<td>7.00 in (178 mm)</td>
</tr>
<tr>
<td>Rear suspension travel</td>
<td>7.03 in (179 mm)</td>
<td>7.03 in (179 mm)</td>
</tr>
<tr>
<td>Front brakes</td>
<td>Bosch Gen 9 ABS, J-Juan asymmetric dual piston floating caliper, 320 x 5 mm disc</td>
<td>Bosch Gen 9 ABS, J-Juan asymmetric dual piston floating caliper, 320 x 5 mm disc</td>
</tr>
<tr>
<td>Rear brakes</td>
<td>Bosch Gen 9 ABS, J-Juan single piston floating caliper, 240 x 4.5 mm disc</td>
<td>Bosch Gen 9 ABS, J-Juan single piston floating caliper, 240 x 4.5 mm disc</td>
</tr>
<tr>
<td>Front tire</td>
<td>Pirelli MT-60 100/90-19</td>
<td>Pirelli MT-60 100/90-19</td>
</tr>
<tr>
<td>Rear tire</td>
<td>Pirelli MT-60 130/80-17</td>
<td>Pirelli MT-60 130/80-17</td>
</tr>
<tr>
<td>Front wheel</td>
<td>2.50 x 19</td>
<td>2.50 x 19</td>
</tr>
<tr>
<td>Rear wheel</td>
<td>3.50 x 17</td>
<td>3.50 x 17</td>
</tr>
</tbody>
</table>

### DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>ZERO DSRP ZF14.4</th>
<th>ZERO DSRP ZF14.4 +POWER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase</td>
<td>56.2 in (1,427 mm)</td>
<td>56.2 in (1,427 mm)</td>
</tr>
<tr>
<td>Seat height</td>
<td>33.2 in (843 mm)</td>
<td>33.2 in (843 mm)</td>
</tr>
<tr>
<td>Rake</td>
<td>26.5°</td>
<td>26.5°</td>
</tr>
<tr>
<td>Trail</td>
<td>4.6 in (117 mm)</td>
<td>4.6 in (117 mm)</td>
</tr>
</tbody>
</table>

### WEIGHT

<table>
<thead>
<tr>
<th></th>
<th>ZERO DSRP ZF14.4</th>
<th>ZERO DSRP ZF14.4 +POWER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Curb weight</td>
<td>443 lb (201 kg)</td>
<td>487 lb (221 kg)</td>
</tr>
<tr>
<td>Carrying capacity</td>
<td>332 lb (151 kg)</td>
<td>288 lb (131 kg)</td>
</tr>
</tbody>
</table>

### ECONOMY

<table>
<thead>
<tr>
<th></th>
<th>ZERO DSRP ZF14.4</th>
<th>ZERO DSRP ZF14.4 +POWER TANK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equivalent fuel economy (city)</td>
<td>419 MPGe (0.56 l/100 km)</td>
<td>419 MPGe (0.56 l/100 km)</td>
</tr>
<tr>
<td>Equivalent fuel economy (highway)</td>
<td>172 MPGe (1.37 l/100 km)</td>
<td>172 MPGe (1.37 l/100 km)</td>
</tr>
<tr>
<td>Typical cost to recharge</td>
<td>$1.61</td>
<td>$2.02</td>
</tr>
</tbody>
</table>
*Range and top speed vary based on riding style and drivetrain configuration.
## SPECIFICATIONS

### ZERO FXP ZF7.2

<table>
<thead>
<tr>
<th><strong>RANGE</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td>88 miles (142 km)</td>
</tr>
<tr>
<td>Highway, 55 mph (89 km/h)</td>
<td>51 miles (82 km)</td>
</tr>
<tr>
<td>Combined</td>
<td>65 miles (105 km)</td>
</tr>
<tr>
<td>Highway, 70 mph (113 km/h)</td>
<td>32 miles (51 km)</td>
</tr>
<tr>
<td>Combined</td>
<td>47 miles (76 km)</td>
</tr>
</tbody>
</table>

### MOTOR
- Peak torque: 78 ft-lb (106 Nm)
- Peak power: 46 hp (34 kW) @ 4,300 rpm
- Top speed (max): 85 mph (137 km/h)
- Top speed (sustained): 70 mph (113 km/h)
- Type: Z-Force® 75-5 passively air-cooled, high efficiency, radial flux, interior permanent magnet, brushless motor
- Controller: High efficiency, 550 amp, 3-phase brushless controller with regenerative deceleration

### POWER SYSTEM
- Power pack: Z-Force® Li-Ion intelligent integrated
- Max capacity: 7.2 kWh
- Nominal capacity: 6.3 kWh
- Charger type: 650 W, integrated
- Charge time (standard): 9.7 hours (100% charged) / 9.2 hours (95% charged)
- With one accessory charger: 4.1 hours (100% charged) / 3.6 hours (95% charged)
- With max accessory chargers: 1.8 hours (100% charged) / 1.3 hours (95% charged)
- Input: Standard 110 V or 220 V

### DRIVETRAIN
- Transmission: Clutchless direct drive
- Final drive: 90T / 18T, Poly Chain® HTD® Carbon™ belt

### CHASSIS / SUSPENSION / BRAKES
- Front suspension: Showa 41 mm inverted cartridge forks, with adjustable spring preload, compression and rebound damping
- Rear suspension: Showa 40 mm piston, piggy-back reservoir shock with adjustable spring preload, compression and rebound damping
- Front suspension travel: 8.60 in (218 mm)
- Rear suspension travel: 8.94 in (227 mm)
- Front brakes: Bosch Gen 9 ABS, J-Juan dual piston floating caliper, 240 x 4.5 mm disc
- Rear brakes: Bosch Gen 9 ABS, J-Juan single piston floating caliper, 240 x 4.5 mm disc
- Front tire: Pirelli Scorpion MT 90 A/T 90/90-21
- Rear tire: Pirelli Scorpion MT 90 A/T 120/80-18
- Front wheel: 1.85 x 21
- Rear wheel: 2.50 x 18

### DIMENSIONS
- Wheelbase: 56.6 in (1,438 mm)
- Seat height: 34.7 in (881 mm)
- Rake: 25.4°
- Trail: 4.1 in (104 mm)

### WEIGHT
- Curb weight: 302 lb (137 kg)
- Carrying capacity: 328 lb (149 kg)

### ECONOMY
- Equivalent fuel economy (city): 468 MPGe (0.50 l/100 km)
- Equivalent fuel economy (highway): 172 MPGe (1.37 l/100 km)
- Typical cost to recharge: $0.81
<table>
<thead>
<tr>
<th>ZERO MMX ZF7.2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RANGE</strong>*</td>
</tr>
<tr>
<td>City</td>
</tr>
<tr>
<td>Recon riding</td>
</tr>
<tr>
<td>Aggressive tactical riding</td>
</tr>
</tbody>
</table>

**MOTOR**
- Peak torque: 78 ft-lb (106 Nm)
- Peak power: 46 hp (34 kW) @ 4,300 rpm
- Top speed (max): 85 mph (137 km/h)
- Top speed (sustained): 70 mph (113 km/h)
- Type: Z-Force® 75-5 passively air-cooled, high efficiency, radial flux, interior permanent magnet, brushless motor
- Controller: High efficiency, 550 amp, 3-phase brushless controller with regenerative deceleration

**POWER SYSTEM**
- Power pack: Z-Force® Li-Ion intelligent modular
- Max capacity: 7.2 kWh
- Nominal capacity: 6.3 kWh
- Charger type: 1 kW, standalone
- Charge time (standard): 6.0 hours (100% charged) / 6.5 hours (95% charged)
  - With one accessory charger: 3.5 hours (100% charged) / 3.0 hours (95% charged)
  - With max accessory chargers: 2.0 hours (100% charged) / 1.5 hours (95% charged)
- Input: Standard 110 V or 220 V

**DRIVETRAIN**
- Transmission: Clutchless direct drive
- Final drive: 65T / 12T, 520 chain

**CHASSIS / SUSPENSION / BRAKES**
- Front suspension: Showa 41 mm inverted cartridge forks, with adjustable spring preload, compression and rebound damping
- Rear suspension: Showa 40 mm piston, piggy-back reservoir shock with adjustable spring preload, compression and rebound damping
- Front suspension travel: 8.60 in (218 mm)
- Rear suspension travel: 8.94 in (227 mm)
- Front brakes: J-Juan dual piston floating caliper, 240 x 4.5 mm disc
- Rear brakes: J-Juan single piston floating caliper, 240 x 4.5 mm disc
- Front tire: Pirelli MT-21 Rallycross 90/90-21
- Rear tire: Pirelli MT-21 Rallycross 120/80-18
- Front wheel: 1.85 x 21
- Rear wheel: 2.50 x 18

**DIMENSIONS**
- Wheelbase: 56.6 in (1,438 mm)
- Seat height: 34.7 in (881 mm)
- Rake: 25.4°
- Trail: 4.1 in (104 mm)

**WEIGHT**
- Curb weight: 275 lb (125 kg)
- Carrying capacity: 355 lb (161 kg)

**ECONOMY**
- Equivalent fuel economy (city): 420 MPGe (0.56 l/100 km)
- Typical cost to recharge: $0.81

*Range and top speed vary based on riding style and drivetrain configuration.*
Model shown: Zero DSRP with available options.