

1998 Ford Ranger EV

The Vehicle:

Model year	1998
Bodystyle	Styleside, regular cab pickup
Wheelbase	Short wheelbase
Payload	700 lbs.
Other dimensions	Similar to 1998 gasoline-powered Ranger

Powertrain:

Motor	75 hp, high-efficiency 3-phase AC induction
Transaxle (integrated with motor)	Single-speed, rear-wheel drive

Standard Features:

Dual air bags	Occupant safety protection
Electronic microprocessor control units	Ford designed, state of the art
• Battery controller	Monitors functions of battery
• Motor inverter	Converts high-voltage DC to 3-phase AC
• Communications center	Operates instrumentation and climate control
Economy drive	Driver controlled with increased regenerative braking
Heater	Electric resistance
Regenerative braking	Energy recovery to increase range
DC/DC convertor	Electronic "alternator"
4-wheel ABS	Straighter stopping and greater steering control under most conditions
Power steering	Electrohydraulic
Wheels and tires	Lightweight aluminum wheels, low rolling resistance tires

Battery:

Type	Sealed lead acid
Voltage	39x8 volt modules; 312 volt system
Battery energy capacity rating @ FUDS	23 kwh (18 kwh at 80% discharge)
Charger	On-board, 240v/30 amp or 120v/15 amp

Performance:

0-50 mph acceleration	<14 seconds (Gasoline Ranger <12 sec.)
Rated top speed (governed)	75 mph
Customer range @ 32F including heater	35 miles
Customer range @ 72F	50 miles
Range - FUDS cycle @ 72F	58 miles without A/C or heater operation

Warranty:

Vehicle	Same as 1998 gasoline powered Ranger
Batteries	2-year (target); prorated

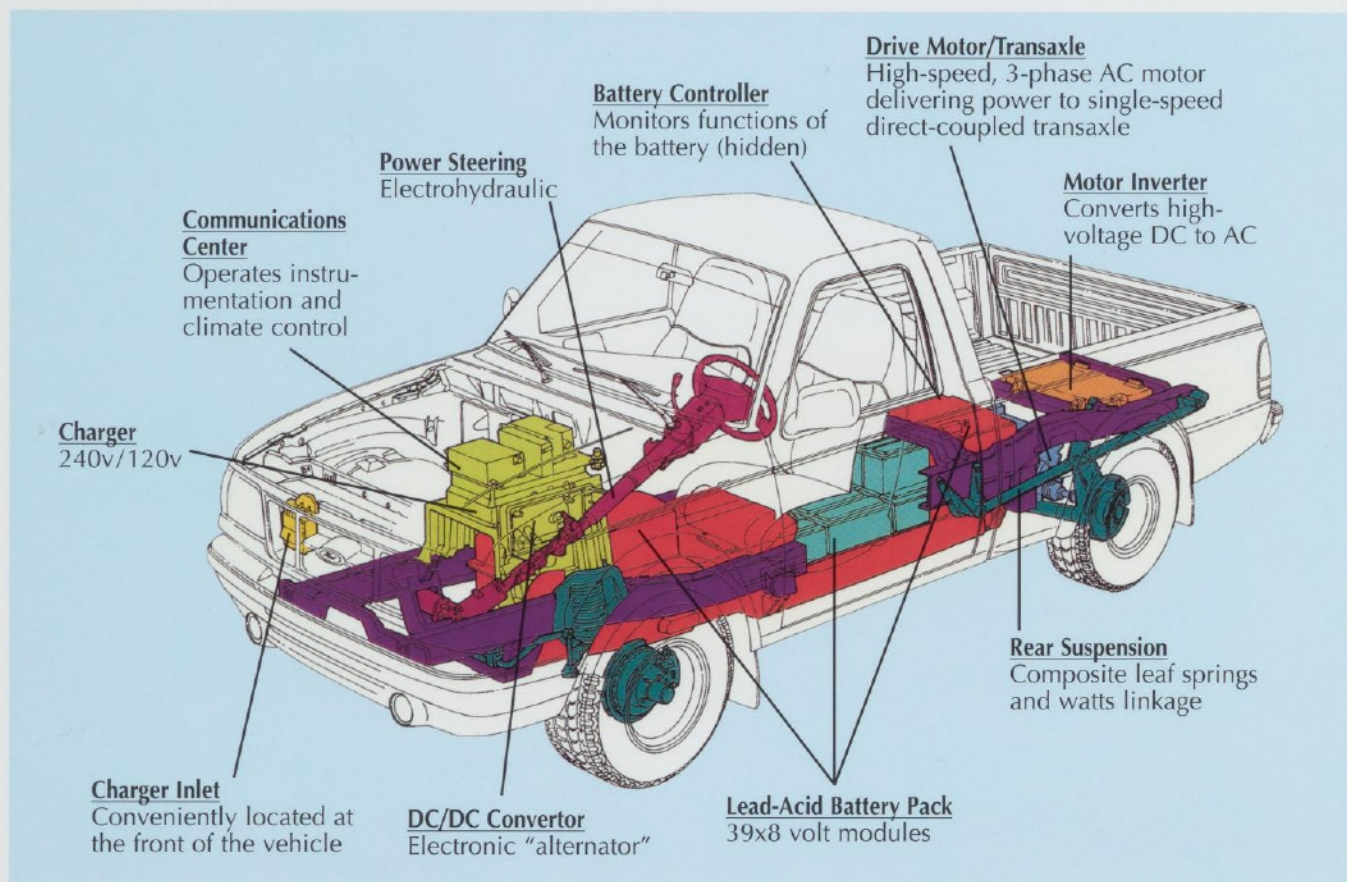
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Overview of the Ranger EV

- The 1998 Ford Ranger EV pickup truck is based on the best-selling compact truck, the Ford Ranger. The 1998 Ranger EV incorporates the same "Best-in-Class" design features as the gasoline Ranger. The Ranger EV is powered by proven lead acid batteries and is equipped with third-generation, electric vehicle specific, powertrain components and electronics.
- The Ranger EV is Ford Motor Company's 1998 production electric vehicle that is designed and tested to be reliable, durable and "Built Ford Tough." The Ranger EV is warranted by Ford Motor Company and provides a "Best-in-Class" electric-powered pickup truck. Ford Motor Company dealerships have been carefully selected to sell, service and provide complete customer satisfaction with the Ranger EV.
- The Ford Ranger EV has been built with Fleet customer needs in mind. The truck includes features fleet customers have come to expect:
 - Cargo carrying capacity
 - Usable payload
 - 4-wheel ABS
 - Climate control
 - Dual air bags
- Additionally, the Ranger EV includes components unique to EV's such as:
 - Regenerative braking
 - Electrohydraulic power steering
 - On-board charging
 - Optional battery thermal management
 - Re-programmable electronics

