



DODGE CARAVAN PLYMOUTH VOYAGER

The 1999 Electric Minivan



Combining THE VERSATILITY OF THE WORLD'S
BEST SELLING MINIVAN WITH LEADING EDGE EV TECHNOLOGY



▲ The nickel-metal-hydride battery pack features 28 12-volt modules for a total of 336 volts, and battery life is anticipated to be 4-6 years in normal use.



◀ Distinctive decals identify the owner as an environmentally responsible citizen.

▶ The "brain" of the vehicle, the Motor Control Unit monitors and controls a variety of operation and motor functions.



Chrysler Corporation understands electric vehicles. In fact, while some automakers are still working to develop their first electric vehicle, the 1999 Dodge Caravan and Plymouth Voyager electric minivans represent Chrysler's second-generation electric vehicle and fourth generation battery technology.



▲ The instrument cluster features a state-of-charge gauge which calculates the charge remaining in the battery system.

The real-world experience and valuable customer feedback gained from the design and sale of the previous generation electric minivans have given Chrysler engineers the knowledge to improve performance and reduce costs for the current family of zero emission vehicles.

Known as *EPIC*, an acronym for Electric Powered Interurban Commuter, this new generation electric is based on the five-passenger/113" wheelbase version of the world's most popular minivan...and takes zero emission technology to a new level.

FEATURING ADVANCED NICKEL-METAL-HYDRIDE TECHNOLOGY

For 1999, all-new nickel-metal-hydride batteries replace the lead-acid battery pack used in previous *EPIC*s. "Fuel" for the *EPIC* comes from twenty-eight 12-volt modules, which combine to produce 336 volts of power. Thanks to lighter weight and increased energy density, the nickel-metal-hydride batteries provide the *EPIC* with a range of 80 to 90 miles, compared to 60 to 70 miles with the previous generation lead-acid batteries. And the new technology is less effected by cold weather than its lead-acid predecessor.

Power for the Dodge Caravan and Plymouth Voyager *EPIC* is supplied by a 100-peak horsepower AC induction motor and a single speed, front wheel drive transaxle for smooth and quiet operation.

For maximum vehicle range, the *EPIC* uses P205/75R/15 low rolling resistance tires to reduce road friction. In addition, an innovative regenerative braking system is activated when the brakes are applied and works to recharge the battery during vehicle deceleration.



▲ Right where it should be, the charging point is located in the same location as the fuel fill on a gasoline-powered minivan.

AN EPIC COMBINATION

When you combine the world's best-selling minivan with advanced electric vehicle technology, you end up with an unbeatable combination of style and functionality.

With a 925-pound payload, the *EPIC* can carry five passengers and 175 pounds of cargo or any combination of the two. Heavy duty springs, shocks and struts guarantee a smooth and

controlled ride. Four doors make entry and exit a snap.

The 1999 Dodge Caravan and Plymouth Voyager *EPIC*. The current technology in electric vehicles from Chrysler Corporation, a leader in alternative fuel vehicles.



▲ Low rolling resistance tires reduce road friction.



For more information on the *EPIC*, call Chrysler's Fleet Operations Hotline at 1-800-999-FLEET or visit our website at www.chrysler.com.



EPIC ELECTRIC MINIVAN HIGHLIGHTS

VEHICLES

Plymouth Voyager EPIC
Dodge Caravan EPIC

WHEELBASE

Short Wheelbase (113")

POWERTRAIN

AC induction motor (100 peak/75 continuous horsepower) • Single speed front-wheel-drive transaxle (with drive, reverse, neutral and park positions)

BATTERIES

Nickel-metal-hydride (with thermal management) 336 volts (28, 12-volt modules) • Controlled by battery engine management system
• Anticipated battery life of 4 to 6 years in normal use

CHARGING

Compatible with off-vehicle charger—208/240-volt, up to 60-amp circuit (approximately 6 to 8 hour charge time) Also features quick charge capability (440-volt public charging facility where available)

CHASSIS

5800 GVW • 925-pound payload
• Heavy duty shocks, springs and struts • Cast aluminum wheels
• P205/75R15 low rolling resistance tires.

PERFORMANCE

0 to 60 in 17 seconds and top speed of 80 miles per hour
• Range of 80 to 90 miles (SAE J1634 combined city/highway in warm weather with no accessories)
• Range is reduced in cold weather and varies with driving conditions and driving style

STANDARD EQUIPMENT

Dual air bags • Anti-lock brakes
Regenerative braking • Power steering • Power brakes • Power door locks • Four doors • Air conditioning and heater (heat pump with auxiliary electric heating system)
• Rear defrost • Sunscreening glass
• AM/FM radio • Rear wiper • Off vehicle charger

WARRANTY

Vehicle and battery: 3-year/36,000 mile limited warranty

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