

# **Miles Electric Vehicles**

**NEV / LSV**



*Every MILES Makes A Difference*

# About Miles EV

- Business since 2004
- Located in Westlake Village, CA.
- MFG. / Distributor / CA. Dealer
- 100% Electric NEV / LSV
- 4 Door Sedan – 2 Door ½ Ton Work Truck



*Every MILES Makes A Difference*

# Our Mission

To Help:

- Reduce our Dependence on Foreign Oil
- Reduce our Carbon Footprint
- Lower Maintenance and Operating Cost



*Every MILES Makes A Difference*

# ZX40S Advanced Design Car

A multipurpose solution for safely transporting people, documents and equipment.



- 72 Volt Power (6x12V)
- Sealed, Maintenance Free, Valve Regulated Lead Acid Batteries
- 35 to 45 mile range
- 110/220V charge @ 12amps (6-8 hr)
- Advanced 3 phase Brushless Induction AC motor and controller technology
- Heat standard/Air Conditioning optional
- FMVSS Standard 500 Compliant



*Every MILES Makes A Difference*

# ZX40ST Utility Truck

A practical and safe solution for all of your maintenance needs.



- 72 Volt Power (6x12V)
- Sealed, Maintenance Free, Valve Regulated Lead Acid Batteries
- 25-35 mile range
- 110/220V charge @ 12amps (6-8 hr)
- Advanced 3 phase Brushless Induction AC motor and controller technology
- Heat standard/Air Conditioning optional
- FMVSS Standard 500 Compliant



*Every MILES Makes A Difference*

# Popular Vehicle Options

Ladder Rack with Maintenance Cabinets



Cross Mounted Maintenance Cabinet (Fold Down Gates are Standard Equipment)



Hydraulic Dump Bed with Heavy Duty Suspension



*Every MILES Makes A Difference*



# Popular Vehicle Options, cont.

**Enclosed Cargo Box with Side Barn Doors, Tool Box & Ladder Rack**



*Every MILES Makes A Difference*

# DOT Compliant Safety Features

MILES vehicles meet or exceed NHTSA Standard (FMVSS 500.571)

- DOT compliant safety glass throughout
- DOT compliant tires
- DOT compliant safety belts
- Steel uni-body chassis
- Steel reinforced side impact beams
- Impact absorbing steering column
- Crash resistant bumpers



*Every MILES Makes A Difference*



# MILES Technology

## What Makes MILES Technology Different:

- *Alternating Current Motor* (72 Volt 3 phase brushless induction AC motor - U.S. technology)
- *Curtis AC Programmable 550 AMP Controller* (U.S. technology)
- *Delta Q Charger 110 / 220 Volt* handles wide current range (85V-265V)
- *Absorbed Glass Mat*, VRLA maintenance free Batteries
- Optional factory installed air conditioning
- Fast charger (eTec LSV-100) available



*Every MILES Makes A Difference*

# Current Market

## Fleets:

University's

Corporate Campuses

Municipalities

Airports

Parks – National, State and County

Amusement Parks

Prisons



*Every MILES Makes A Difference*

# Consumer Market

- Limited Market for NEV's
  - Consumer Concerns
    - 25 MPH on 35 MPH Streets
    - Safety on Faster Streets
    - 25 MPH Routes to all Destinations
    - Charging Locations
    - Early Adapter Incentives



*Every MILES Makes A Difference*

# Consumer Market continued

- Suggestions:
  - 35 MPH on 35 MPH Streets (not likely)
  - Designated or Marked 25 MPH Routes
  - 25 MPH Routes on City Web Sites
  - Parking Incentives (free or designated)
  - Charging Stations
  - City Involvement (LUV Program)



*Every MILES Makes A Difference*

# Parts and Service

Web Based :

- Electronic Parts Catalog
- Warranty Claims
- Technical Bulletins
- Service Updates, Manuals and Training Videos

Service Training

- We Certify your Mechanics or Preferred Local Shop



*Every MILES Makes A Difference*

# Conclusion

- FMVSS 500
- DOT Standards
- Meet or exceed all safety standards
- “Street Legal”
- Superior Design and Latest Proven Technology
- Tech training program



*Every MILES Makes A Difference*





# Thank You



*Every MILES Makes A Difference*