



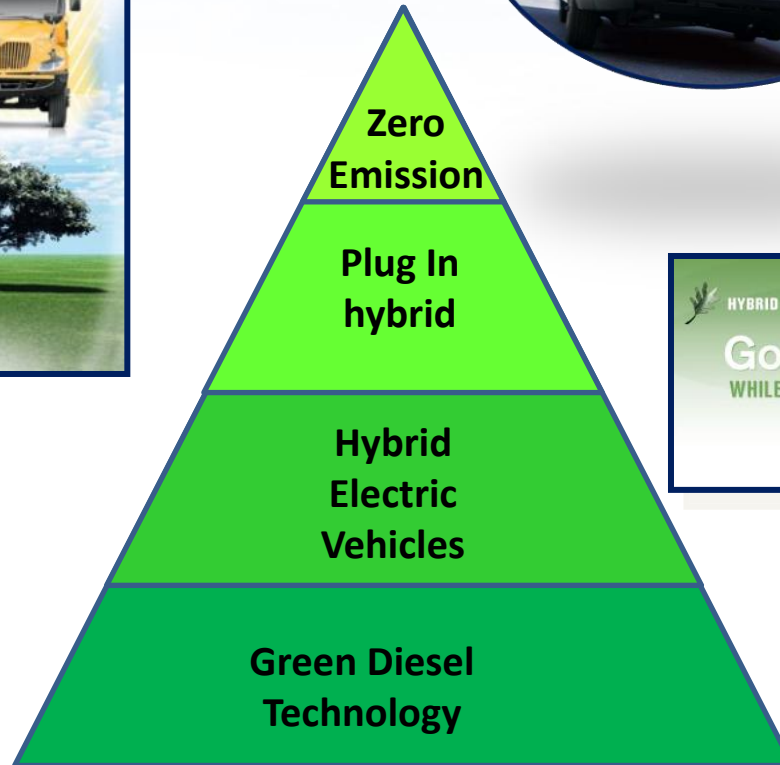
eStar™ Electric Truck Overview

October, 2010

Corporate Environmental Leadership



The Only One
The IC Plug-in
Hybrid School Bus



HYBRID INNOVATION

Going Green
WHILE SAVING SOME GREEN.



DURA Star



President Obama - \$39.2M DOE Announcement



eStar's Mission



eStar: FIRST purpose-built electric truck in its class that balances needs of environment and needs of businesses



eStar - Made For the Planet...



- Purpose built to be electric, not merely conversion of fossil fuel vehicle
- Earth friendly – zero tailpipe emissions, each eStar saves 10 tons of CO₂ annually from going into the atmosphere
- Near-zero noise pollution
- Recyclability

eStar – Built For City Business...



Business Smart:

- Companies can actively, visibly proclaim sustainability commitment
- Quiet operation means reduced noise pollution
- Perfect alliance between driver, vehicle urban transport
- Best in Class features such as turning radius
- Labor Costs Lower
 - Fewer mechanical components, less to repair
 - 20-minute battery cassette exchange gets drivers back on the road
 - Eliminates downtime with lower maintenance checkpoints

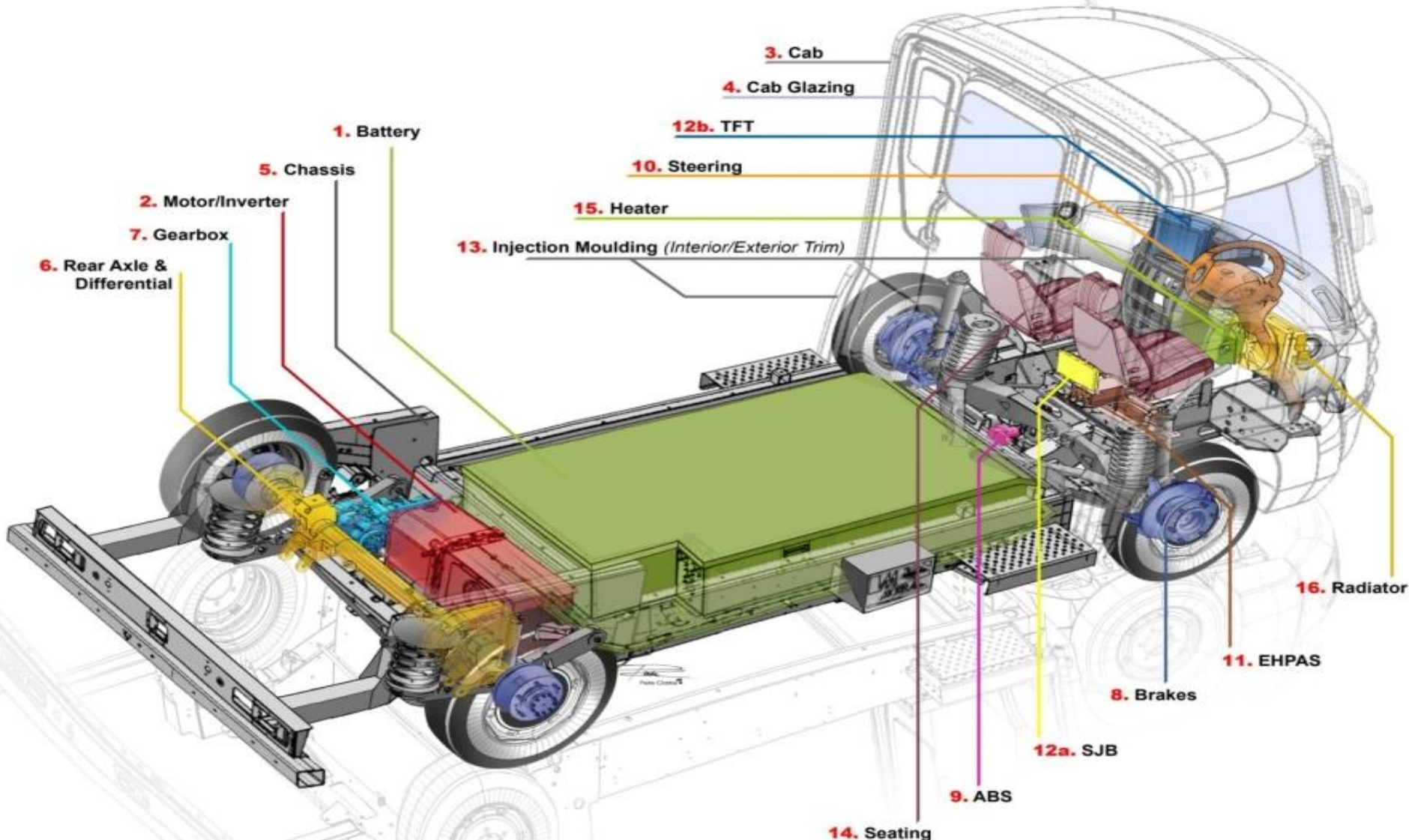
Product Highlights



- Category / Class Leader - only Class 2c-3 electric truck available
- Up to 100-mile range
- Recharged in 6-8 hours
- Ergonomic design:
 - Low floor for easier loading
 - Walk-through cab
 - Wrap-around cockpit glass - 180 degree visibility
 - Low center of gravity means stable, precise handling
- Aerodynamically designed to reduce drag, energy consumption



Product / Technical Overview



MOTOR

Power	70 kw
Horsepower	102 hp
Torque	221 ft. - lbs

TRANSMISSION

PRND
(Park, Reverse, Neutral, Drive) Clutchless transmission

BATTERY

80kWhr Li-Ion Cassette	Standard
On-Board charger	Standard



PERFORMANCE

CO2 Emissions	Zero
Maximum Speed (governed)	50 mph
Range (up to)	100 miles

BRAKING SYSTEM

Front	4 Piston Callpers - Disk
Rear	10 Inch Duo Servo Drum

ABS
(Anti-lock Braking System) Standard

EBD
(Electronic Braking Distribution) Standard

Regenerative braking Standard

Park brake Hand Apply

WHEELS + TIRES

Wheels	17.5x6 steel-gray
Tires	205/75R17.5

WEIGHT RATINGS + CAPACITIES

Gross Vehicle Weight Rating	12,100 lbs
Payload	4,000 lbs
Front Gross Axle Weight Rating	5,730 lbs
Rear Gross Axle Weight Rating	7,053 lbs

STEERING

Electro-hydraulic power assisted Standard

Turning circle (curb-to-curb) 36 ft

Steering wheel turns lock-to-lock 4.6



SUSPENSION

Front Suspension
Independent coil spring suspension with wishbone style lower control arms, MacPherson struts and anti-roll bar

Rear Suspension
Beam drive axle with trailing arms coil springs and panhard rod

INTERIOR

Electric windows Standard

Electric mirror Standard

i-Pack driver Information display Standard

iButton keyless Ignition Standard

Proximity mirrors Standard

Visibility nearly 180 degrees

Vehicle Charging

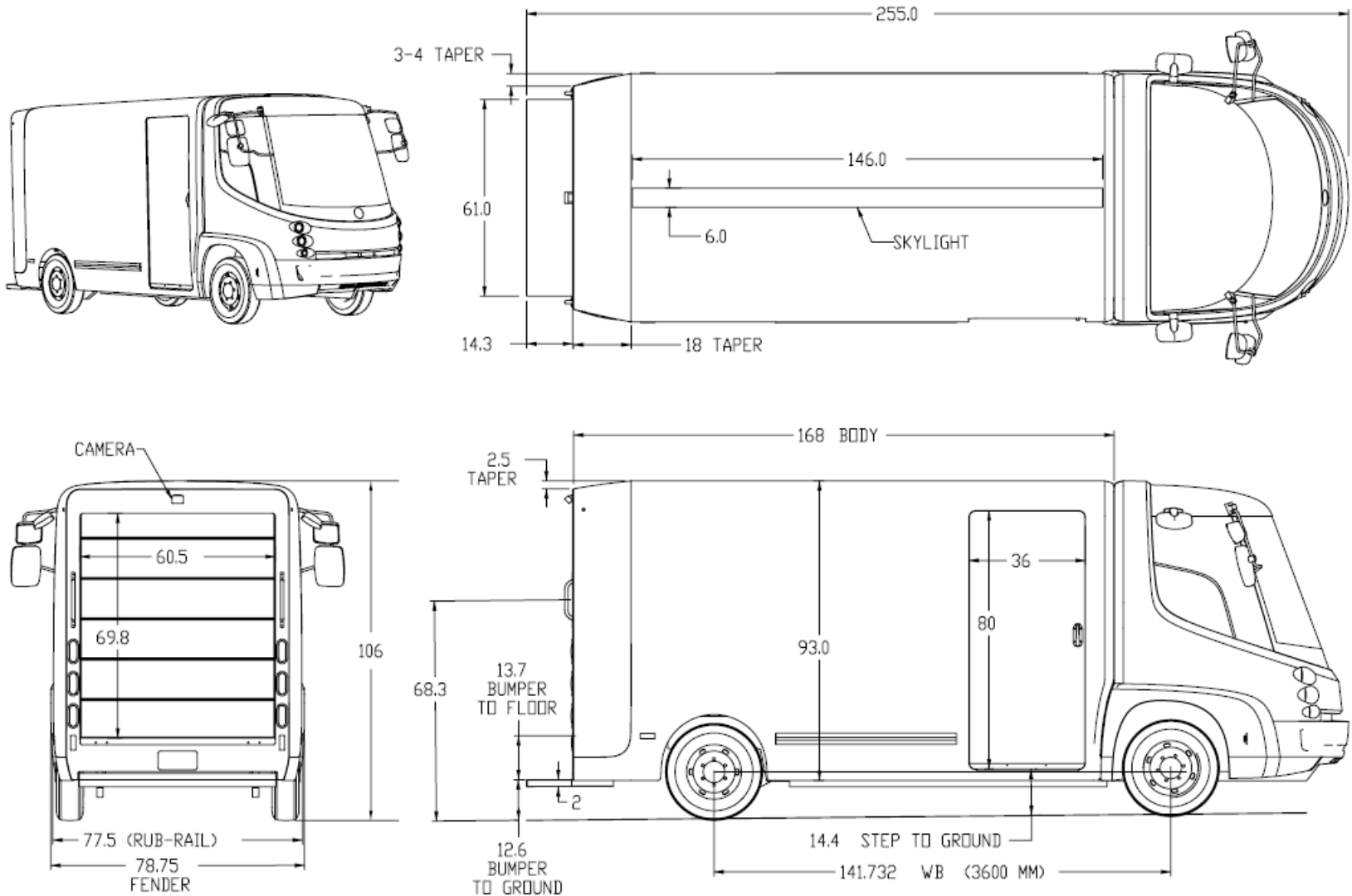


On-Board Charger

- Overnight charge from 'empty' – 8hrs
- Utilize existing infrastructure
 - Domestic 40A 220VAC split-phase
- Charge port located curb side behind rear wheel
- Cannot be driven while the charger is connected
- Transition to SAE J1772 EVSE Q3 '10



Body Dimensions



Dimensions



Feature	Dimensions
Overall Vehicle Height	106"
Overall Chassis Width (Between Front wheel fenders)	78.75"
Overall Body Width (Between Rubrails)	77.5"
Overall Vehicle Length (Bumper to Bumper)	254"
Cargo Capacity (Excluding Vestibule Space)	417 sq. ft.
Interior Cargo Area Height	78" under posts
Interior Cargo Area Width	74"
Cargo Area Floor Length	154"

Dimensions



Feature	Dimensions
Rear Roll Up Door Opening	
Opening Width	60.5"
Opening Height	70"
Sliding Side Door Opening	
Opening Width	30"
Opening Height	80"
Inset Step Height	10.5"
Rear Bumper Height (at top of bumper)	12.5"
Floor height	26"

Available Incentives



California	Oregon	Illinois	Texas	Maryland	New Jersey	North Carolina
<ul style="list-style-type: none">• CVRP Program under AB118 - \$20K Voucher – Purchase Rebate• Available Statewide• Voting on renewal and increase 6/24/10	<ul style="list-style-type: none">• Business Energy Tax Incentive – 35% Tax Credit Incremental Difference• Available Statewide	<ul style="list-style-type: none">• Alternative Fuel Rebate – 80% of Incremental Cost up to \$4,000 Rebate• Available Statewide	<ul style="list-style-type: none">• Clean Fleets Program – 80% Rebate Incremental Difference• Available in Cities with Non Attainment Areas• Opportunity Closes on 6/30/10	<ul style="list-style-type: none">• EV Tax Credit – Up to \$2,000 Tax Incentive• Available Statewide	<ul style="list-style-type: none">• Alt Fueled Vehicle Rebate Program – Up to \$7,000 per vehicle• Available Statewide	<ul style="list-style-type: none">• Clean Fuel Advanced Tech Grant - \$150,000 / per vehicle or up to 80% of incremental difference• Available Statewide

*Above all these incentives, there is a Federal Tax Incentive of \$7,500 per eStar

Wakarusa, IN Plant



eStar – Service Territories

