

Dynasty

electric vehicles ltd.



innovative transportation

Dynasty Electric Vehicle Ltd.

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‘IT’ VAN 2-PASSENGER NEV



SPECIFICATIONS

Base Vehicle: Dynasty ‘IT’
Sedan NEV
Seatbelt Positions: Two
Standard Features:
Front Wheel Drive
Delta-Q battery charger
Four wheel hydraulic brakes
(disc front – drum rear)
Rearview & side mirrors
Back-up light & alarm
Horn
State-of-charge meter
Speedometer/Odometer
Self Cancelling Turn signals w/4-way flashers
Windshield wiper w/ spray
12V accessory plug
Halogen Headlights w/ Hi/low beams
3-Point Anchored Seat Belts

BATTERY

Type: EV-31 Flooded Lead Acid
(Optional 8G31 Deka Gel)
Number of modules: 6
Weight of Modules: 71 lbs
Weight of Pack: 426 lb
Packs Location: Under hood
Nominal Module Voltage: 12V
Nominal System Voltage: 72V

WEIGHTS

Curb Weight: 1450 lb
Distribution F/R:75/25%
GVWR: 2601 lb
GAWR F/R
Payload: 1150 lb

DIMENSIONS

Wheelbase: 90 in
Length: 140 in
Width: 60 in
Height: 63 in
Ground Clearance: 5 in

CHARGER

Location: On-Board
Input Voltage: 120 VAC

TIRES:

Tire mfg: Goodyear
Tire Model: Club
Tire Size: 155/80 R13
Tire Pressure :27-40 psi
Spare Installed: No

PERFORMANCE STATS

Acceleration (0-24 mph)
At 100% SOC: 10 seconds
At 50% SOC: 14 seconds

Maximum Speed @ 350 lbs Payload

At 100% SOC: 24 mph
At 50% SOC: 24 mph

**Maximum Speed @ 170 lbs
Payload (FMVSS 49CFR 571.500
S5.a) At 100%: 24.5 mph**

Maximum Speed Range

Range: 30.4 miles
Energy Used: 4.26 kWh
Efficiency: 142 Wh/mile

Braking from 24 mph

Controlled Dry: 23 feet
Controlled Wet: 25 feet
Panic Wet: 23 feet
Course Deviation: 0.0 feet

Gradeability

Maximum Speed @ 3%: 24 mph
Maximum Speed @ 6%: 24 mph
Maximum Grade: 25%

Charging Efficiency:

AC Energy: 5.1 kWh to full charge
Energy Cost: \$0.10/kWh= \$0.51/charge
Or \$0.17/mile
Max recharge time: 11 ½ hours

