

Dynasty

electric vehicles ltd.



innovative transportation

Dynasty Electric Vehicle Ltd.

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‘IT’ UTILITY 2-PASSENGER NEV



SPECIFICATIONS

Base Vehicle: Dynasty ‘IT’

Utility 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: 2495 lb

GAWR F/R 1619/1146 lb

Payload: 1045 lb

DIMENSIONS

Wheelbase: 90 in

Length: 140 in

Width: 60 in

Height: 63 in

Ground Clearance: 5 in

Bed: L52” xW45” xD29”

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 DC 5.5 HP

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

