



ELECTRIC PEOPLE MOVER'S

— BN72-23 • BN72-14-D • BN72-11-D • WHEELCHAIR ACCESSIBLE —



BN72-23

M-SERIES

BN72-23 / BN72-08

BN72-11 / BN72-14 /

BN72-11 WHEELCHAIR ACCESSIBLE

VEHICLE STANDARD FEATURES

Twelve 6 V (72 V) batteries

10 hp AC motor (BN72-23: 12 hp AC motor)

550 A controller

Heavy duty rear-end for increased durability and hill climbing capability.

Headlights, taillights, brake lights, turning signals

LED roof-mounted dome lighting and side lights

Automotive windshield with wiper

Horn and reverse beeper

Rear view mirrors

Speedometer, odometer, battery indicator

PA system

Automatic battery charger

72 V to 12 V voltage reducer for accessories

Undercoating

Power steering

Aluminum storage trunk under the rear seat

Battery box

2 point seat belt for each person

Emergency power off push button

Marine grade wood board in seat cushions and backrest cushions

Fire extinguisher

One year bumper-to-bumper warranty (less wear items), two year battery warranty



BN72-23



BN72-08

VEHICLE OPTIONS AND UPGRADES

Bucket seats	Rear aluminum cargo box
Custom colors	Sunbrella enclosure
Fan	Solar panels
Heater, defroster	Side step
On-board charger	



BN72-11



BN72-14



BN72-11
WHEELCHAIR ACCESSIBLE

M-SERIES

BN72-23 / BN72-08 / BN72-11 / BN72-14 / BN72-11 WHEELCHAIR ACCESSIBLE

	BN72-23	BN72-08	BN72-11
DIMENSIONS			
Overall	221" L x 83" W x 89" H (561 cm x 211 cm x 226 cm)	146" L x 57" W x 77" H (371 cm x 145 cm x 196 cm)	180" L x 61" W x 79" H (457 cm x 155 cm x 201 cm)
Wheel base	135" (343 cm)	83" (211 cm)	83" (211 cm)
Ground clearance	5.5" (14 cm)	5.5" (14 cm)	5.5" (14 cm)
Wheel type	15" (38 cm) steel	13" (33 cm) aluminum	13" (33 cm) aluminum
Tire size	195 / 70R 15C, DOT	167 / 70-R13 DOT	167 / 70-R13 DOT
Tire pressure	44 psi (303 kPa)	44 psi (303 kPa)	44 psi (303 kPa)
BODY AND CHASSIS			
Body material	Fiberglass and plastic	Fiberglass and plastic	Fiberglass and plastic
POWER			
Battery system	12 x 6 V, Trojan T-105	12 x 6 V, Trojan T-105	12 x 6 V, Trojan T-105
Motor power	12 hp (8.9 kW) AC motor	10 hp (7.5 kW) AC motor	10 hp (7.5 kW) AC motor
Controller power	550 A Curtis controller	550 A Curtis controller	550 A Curtis controller
PERFORMANCE			
Passengers	23	8	11
Top speed	18 mph (29 kph)	18 mph (29 kph)	18 mph (29 kph)
Top climbing grade	15%	20%	20%
Turning radius	26 ft (7.9 m)	18 ft (5.4 m)	21 ft (6.4 m)
Load capacity	3850 lbs (1746 kg)	1400 lbs (635 kg)	2640 lbs (1197 kg)
Weight with batteries	3080 lbs (1397 kg)	2130 lbs (966 kg)	2170 lbs (984 kg)
Brake system	Four-wheel hydraulic drum	Four-wheel hydraulic drum	Four-wheel hydraulic drum
Drive train	Auto-drive	Auto-drive	Auto-drive
STEERING AND SUSPENSION			
Steering system	Rack and pinion power steering	Rack and pinion power steering	Rack and pinion power steering
Front suspension	Independent, coil over shock	Independent, coil over shock	Independent, coil over shock
Rear suspension	Leaf spring and shock	Leaf spring and shock	Leaf spring and shock

Specifications are subject to change without notification.

	BN72-14	BN72-11-D WHEELCHAIR ACCESSIBLE
DIMENSIONS		
Overall	186"L x 60"W x 81"H (472 cm x 152 cm x 206 cm)	186"L x 60"W x 81"H (472 cm x 152 cm x 206 cm)
Wheel base	83" (211 cm)	83" (211 cm)
Ground clearance	5.5" (14 cm)	5.9" (15 cm)
Wheel type	13" (33 cm) aluminum	13" (33 cm) aluminum
Tire size	167 / 70-R13 DOT	167 / 70-R13 DOT
Tire pressure	44 psi (303 kPa)	44 psi (303 kPa)
BODY AND CHASSIS		
Body material	Fiberglass and plastic	Fiberglass and plastic
POWER		
Battery system	12x6 V, Trojan T-105	12x6 V, Trojan T-105
Motor power	10 hp (7.5 kW) AC motor	10 hp (7.5 kW) AC motor
Controller power	550 A Curtis controller	550 A Curtis controller
PERFORMANCE		
Passengers	14	11 + wheelchair
Top speed	18 mph (29 kph)	18 mph (29 kph)
Top climbing grade	20%	20%
Turning radius	21 ft (6.4 m)	21 ft (6.4 m)
Load capacity	2640 lbs (1197 kg)	2640 lbs (1197 kg)
Weight with batteries	2800 lbs (1270 kg)	2640 lbs (1197 kg)
Brake system	Four-wheel hydraulic drum	Four-wheel hydraulic drum
Drive train	Auto-drive	Autodrive
STEERING AND SUSPENSION		
Steering system	Rack and pinion power steering	Rack and pinion power steering
Front suspension	Independent, coil over shock	Independent, coil over shock
Rear suspension	Leaf spring and shock	Leaf spring and shock

STANDARD COLORS

white and silver



red and silver



red



white



Custom colors available:
Allow 12 weeks lead time

Specifications are subject to change without notification.



GO GREEN ON CAMPUS
Sustainability. Reliability. Compatibility

Our team strives to be the most innovative designer and manufacturer of environmentally friendly vehicles, related attachments, and accessories that enhance comfort and lifestyle. STAR EV is based just outside the growing town of Greenville, South Carolina.





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