



AK-AP SERIES

AK48-2 • AK48-4 • AP48-04 • AP48-06



AK48-2 LONG
with door upgrades



AP48-06-D
with door upgrades



AK SERIES

AK48-2 - AK48-4

VEHICLE STANDARD FEATURES

Two year bumper-to-bumper warranty (less wear items)

Eight 6 V (48 V) batteries

7 hp AC motor

450 A controller

Headlights, taillights, brake lights, turning signals

Automotive windshield with wiper

Horn and reverse beeper

Speedometer, odometer, battery indicator

Adjustable arm rests, adjustable front row backrest

2-point seat belts (3-point on door models)

Deluxe stereo and CD player with two speakers

Automatic battery charger

48 V to 12 V voltage reducer for accessories

Rear locking trunk

VEHICLE OPTIONS AND UPGRADES

LSV (NEV) street legal package

Aluminum doors, weather-sealed

2,000 W high output Air Conditioner
(for use with door upgrade)

Five available utility box upgrades: stake box,
enclosed box, beverage cart, insulated box, 2 tool box

Patrol lights

Battery filling system

On-board charger

Heater and defroster

Fan



AK48-2-Standard



AK48-2-Long with door upgrade



AK48-4 Shown with doors, enclosed box and air conditioner upgrades

UTILITY BOX FEATURES

Choose your utility box set-up best suited for your needs



Utility Box (Standard)



2 Tool Box



Stake Box



Insulated Box



Beverage Box



Enclosed Box

AK SERIES

AK48-2 - AK48-4

	AK48-2	AK48-2-LONG	AK48-4
DIMENSIONS			
Overall	122" L x 57" W x 74" H (310 cm x 145 cm x 188 cm)	156" L x 57" W x 74" H (396 cm x 145 cm x 188 cm)	156" L x 57" W x 74" H (396 cm x 145 cm x 188 cm)
Wheel base	88" (224 cm)	120" (305 cm)	120" (305 cm)
Ground clearance	5" (12.7 cm)	5" (12.7 cm)	5" (12.7 cm)
Wheel type	12" aluminum (30.5 cm)	12" aluminum (30.5 cm)	12" aluminum (30.5 cm)
Tire size	225/55-R12 Radial, 5-ply	225/55-R12 Radial, 5-ply	225/55-R12 Radial, 5-ply
BODY AND CHASSIS			
Chassis	Welded steel frame with phosphate electro-coating	Welded steel frame with phosphate electro-coating	Welded steel frame with phosphate electro-coating
Body material	Plastic polypropylene	Plastic polypropylene	Plastic polypropylene
POWER			
Battery system	8 x 6 V, Trojan T-105	8 x 6 V, Trojan T-105	8 x 6 V, Trojan T-105
Motor power	7 hp (5.2 kW) AC motor	7 hp (5.2 kW) AC motor	7 hp (5.2 kW) AC motor
Controller power	450 A Curtis controller	450 A Curtis controller	450 A Curtis controller
PERFORMANCE			
Passengers	2	2	4
Top speed	19.5 mph, 20-25 mph with LSV option (31.4 kph, 32.2-40.2 kph with LSV option)	19.5 mph, 20-25 mph with LSV option (31.4 kph, 32.2-40.2 kph with LSV option)	19.5 mph, 20-25 mph with LSV option (31.4 kph, 32.2-40.2 kph with LSV option)
Top climbing grade	15% (loaded)	15% (loaded)	15% (loaded)
Turning radius	14.7 ft (4.5 m)	19.8 ft (6 m)	19.8 ft (6 m)
Total load capacity	990 lbs (449 kg)	1100 lbs (499 kg)	990 lbs (449 kg)
Cargo capacity	660 lbs (299 kg)	800 lbs (363 kg)	800 lbs (363 kg)
Weight with batteries	1750 lbs, 1900 lbs with doors (794 kg, 862 kg with doors)	1910 lbs, 2060 lbs with doors (866 kg, 934 kg with doors)	1910 lbs, 2060 lbs with doors (866 kg, 934 kg with doors)
Brake system	Four-wheel hydraulic drum brakes with hand-activated parking brake	Four-wheel hydraulic drum brakes with hand-activated parking brake	Four-wheel hydraulic drum brakes with hand-activated parking brake
Drive train	Direct rear drive	Direct rear drive	Direct rear drive
STEERING AND SUSPENSION			
Steering system	Rack and pinion	Rack and pinion	Rack and pinion
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.

AK48-2 - AK48-4 CARGO BOX DIMENSIONS

	AK48-2	AK48-2-LONG	AK48-4
CARGO BOX DIMENSIONS			
Default utility box dimensions	48" L x 47" W x 10" H (123 cm x 119 cm x 25 cm)	79" L x 47" W x 10" H (201 cm x 119 cm x 25 cm)	48" L x 47" W x 10" H (123 cm x 119 cm x 25 cm)
2 tool boxes dimensions	48" L x 47" W x 19" H (123 cm x 119 cm x 48 cm)	74" L x 47" W x 10" H (188 cm x 119 cm x 25 cm)	N/A
Stake box dimensions	48" L x 47" W x 19" H (123 cm x 119 cm x 48 cm)	74" L x 47" W x 19" H (188 cm x 119 cm x 48 cm)	48" L x 47" W x 19" H (123 cm x 119 cm x 48 cm)
Enclosed box dimensions	48" L x 47" W x 38" H (123 cm x 119 cm x 97 cm)	71" L x 47" W x 38" H (180 cm x 119 cm x 97 cm)	48" L x 47" W x 38" H (123 cm x 119 cm x 97 cm)
Insulated box dimensions	48" L x 47" W x 38" H (123 cm x 119 cm x 97 cm)	71" L x 47" W x 38" H (180 cm x 119 cm x 97 cm)	48" L x 47" W x 38" H (123 cm x 119 cm x 97 cm)
Beverage cart dimensions	48" L x 47" W x 19" H (123 cm x 119 cm x 48 cm)	74" L x 47" W x 19" H (188 cm x 119 cm x 48 cm)	48" L x 47" W x 19" H (123 cm x 119 cm x 48 cm)

Specifications are subject to change without notification.



AK48-4

Shown with amber strobe light, air conditioner, and door upgrades

AP SERIES

AP48-04 - AP48-04 (with doors)

VEHICLE STANDARD FEATURES

Two year bumper-to-bumper warranty (less wear items)

Eight 6 V (48 V) batteries

7 hp AC motor

450 A controller

Headlights, taillights, brake lights, turning signals

Automotive windshield with wiper

Horn and reverse beeper

Speedometer, odometer, battery indicator

Adjustable arm rests, adjustable front row backrest

2-point seat belts

Deluxe stereo and CD player with two speakers

Automatic battery charger

48 V to 12 V voltage reducer for accessories

Rear locking trunk

VEHICLE OPTIONS AND UPGRADES

LSV (NEV) street legal package

Aluminum doors, weather-sealed

2,000 Watt high output Air Conditioner
(for use with door upgrade)

Patrol lights

Battery filling system

Heater and defroster

Fan

On-board charger



AP48-04



AP48-04 with doors

AP48-04 - AP48-04 (with doors) - AP48-06 - AP48-06 (with doors)

	AP48-04	AP48-06
DIMENSIONS		
Overall dimensions	122"L x 59"W x 77"H (310 cm x 150 cm x 196 cm)	153"L x 59"W x 77"H (389 cm x 150 cm x 196 cm)
Wheel base	88" (224 cm)	118" (300 cm)
Ground clearance	5" (12.7 cm)	5" (12.7 cm)
Wheel type	12" aluminum (30.5 cm)	12" aluminum (30.5 cm)
Tire size	225/55-R12 Radial, 5-ply	225/55-R12 Radial, 5-ply
BODY AND CHASSIS		
Chassis	Welded steel frame with phosphate electro-coating	Welded steel frame with phosphate electro-coating
Body material	Plastic polypropylene	Plastic polypropylene
Optional Doors	Aluminum	Aluminum
POWER		
Battery system	8 x 6 V, Trojan T-105	8 x 6 V, Trojan T-105
Motor power	7 hp (5.2 kW) AC motor	7 hp (5.2 kW) AC motor
Controller power	450 A Curtis controller	450 A Curtis controller
PERFORMANCE		
Passengers	4	6
Top speed	19.5 mph, 20-25 mph with LSV option (31.4 kph, 32.2-40.2 kph with LSV option)	19.5 mph, 20-25 mph with LSV option (31.4 kph, 32.2-40.2 kph with LSV option)
Top climbing grade	20%	20%
Turning radius	14.7 ft (4.5 m)	19.8 ft (6 m)
Load capacity	780 lbs (354 kg)	990 lbs (449 kg)
Weight with batteries	1760 lbs, 1885 lbs with doors (798 kg, 855 kg with doors)	1905 lbs, 2244 lbs with doors (864 kg, 1018 kg with doors)
Brake system	Four-wheel hydraulic drum brakes with hand-activated parking brake	Four-wheel hydraulic drum brakes with hand-activated parking brake
Drive train	Direct rear drive	Direct rear drive
STEERING AND SUSPENSION		
Steering system	Rack and pinion	Rack and pinion
Front suspension	Independent, coil over shock	Independent, coil over shock
Rear suspension	Leaf spring and shock	Leaf spring and shock

Specifications are subject to change without notification.

AP SERIES

AP48-06 - AP48-06 (with doors)



AP48-06



AP48-06 (with doors)

AP SERIES UPGRADE

2,000 Watt high output Air Conditioner (for use with door upgrade)



AP SERIES

AP48-04 AMBULANCE

STAR EV AP Ambulance's are geared up for first responders. Medical emergencies can occur in an instant at any stadium, resort, campus, parks, or offices. Smaller than a standard ambulance, STAR EV AP ambulances can get to places where a standard ambulance can have difficulties accessing, allowing responders to swiftly help patients and securely transport them where they need to go. The AP series is a heavy duty people mover, carrying up to 5 passengers. The AP series can go up to 18 mph (25 MPH for LSV models) and has an AC motor for superior performance and range. STAR EV ambulances transport the sick or injured safely with EMT-approved equipment like hand carry gurneys, storage boxes for first aid and medical supplies, LED light bar and PA system options.



AP48-04 Ambulance
4 passenger + stretcher



VEHICLE STANDARD FEATURES

30 A, 48 V to 12 V voltage reducer for all accessories

450 A Curtis programmable controller with regenerative braking

4 passengers + stretcher

Eight 6 V (48 V) batteries. Trojan T-105



AP48-04 Ambulance

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.





STAR Electric Vehicles® a brand of JH Global Services, Inc.

378 Neely Ferry Road Simpsonville, SC 29680, USA

Phone: (864) 297-8833 Toll Free: (888) 878-9988 www.starev.com

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