



Cart Model Technical Data Sheet

Model: LT-S4XF (4 Seat Fire Truck Cart)		System Type: Electric 72V
Cart Main Components	Controller	Toyota NEOS Control System, 72V 350A
	Electric Motor	LT AC Synchronous (Induction) 72V/7.5KW
	Batteries	LT No Maintenance Gel, 6V-170Ah x 12. (Recommend 100Ah Lithium minimum).
	Battery Charger	On Board Intelligent 72V/25A DC Output Charger, 6-8hr Charge time from SOC >20%
	DC Converter	Isolated DC Converter 72V/12V Output 400W Rated
Steering & Mechanical	Steering system	Two-way rack and pinion steering system, automatic gap compensation function; Optional Power Steering upgrade available.
	Braking System	Four-wheel hydraulic disc brakes + manual handbrake parking
	Front Suspension System	MacPherson independent suspension; coil spring + cylinder hydraulic shock absorption.
	Rear Suspension System	Integrated rear axle, speed ratio 16:1, heavy-duty leaf spring + cylinder hydraulic shock absorption. Designed to handle 800L Water Tank + Passengers/Equipment
	Tyres	165/70R13C Tyre (diameter 560mm); 13-inch Steel Rim
Cart Exterior (See Box Section Below for Fire Box Compartment)	Body	Injection molded Automotive Painted Modular Body Panels
	Roof Body Panel	Automotive engineering PP material injection molding
	Front shield and wiper	Automotive laminated AS/NZS:2080 Safety Glass + Electric Windshield wiper
	Doors	Reinforced Framed Tempered Glass Doors with key barrel locks.
Lighting	Lights and Warning signals	Headlights, Indicators, Rear Tail Lights, Brake Lights, Horn and Reversing Buzzer
	Emergency Service Lighting	Car Audio MP3/Radio player, Special flashing Light Bar System
Standard & Interior Features	Dashboard	PP injection molded instrument panel, electric vehicle odometer/speed meter, Automotive ignition barrel, Light/Wiper Stalk, Gear Direction Switch and a Din Mount MP3/Radio Player.
	Interior Seating	Ergonomic seat, PP Leather
	Interior floor	Rubber non-slip
	Rearview Mirror	Manually adjustable exterior rearview mirror on the left and right hand sides of the cart
Cart Main Dimensions	Length (mm)	4700
	Width (mm)	1508
	Height (mm)	2115
	Gross Weight (inc. Batteries)	1450kg
	Wheelbase overall length	3132mm
	Wheelbase width between	Front 1280mm, Rear 1325mm
Cart Ratings	Rated Number of Passengers	4
	Max Recommended Driving Speed	28km/hr
	Average Driving Mileage	70-95km on flat ground per charge
	Maximum Recommended Grade	15%
	Hill Hold Performance (limit)	15% Grade
	Minimum Ground Clearance	135mm
	Minimum Turning Radius	6.4m
	Rated Braking Distance	<6m
Ave. Energy Consumption per 100km	12.5kWh	
Firebox Cargo Box & Equipment	Cargo Box Size (L x W x H)	1800mm x 1400mm x 1320mm
	Compartments	3
	Compartment Doors	Vertical Aluminium Roller Shutters, locking position at bottom
	Generator(Pump) Type	Air Cooled, Four-stroke Generator, Unleaded Fuel, Asia Domestic Brand. Electric or Pull Start
	Generator (Pump) Specification	390CC, rated continuous 7.2KW (9.5HP), Maximum Temporary Load 9.7KW (13HP)
	Water Tank Capacity	800L
	Water Pump	Single Stage Centrifugal Pump mounted within the rear compartment combined with the generator, as one unit
	Water Pump Flow Rating	50T/hr (830L/m) (Water Gun Head rated to 180L/min)
	Water Gun Avg. Discharge Dist.	25-30m
	Rated Pressure	0.53MPa
	Water Gun Head Type	Adjustable Jet to Mist
	Rated Pressure of Water Gun	up to 2.0Mpa
	Water Gun Head Flow Rate	3L/s
	Water Reel Hose	25mm Diameter Hose (inner)
Water Reel Hose Length	30m	
Hydrant Filling Hose	consult for further information and state requirement based on domestic location	
Auxiliary Tools	Fire Axe (timber handle)	1
	Sledge Hammer (Fiberglass handle)	1
	Fire Wrench	1
	Bolt Cutters (large)	1
	Shovel	1