



UT150-eMV ELECTRIC MINE UTILITY TRUCK

GENERAL SPECIFICATIONS

Seating Capacity (Including Operator)*	2 to 9 persons	
Inner Turning Radius	14 ft. 6 in.	4.42 m
Outer Turning Radius	24 ft. 4 in.	7.42 m
Gross Vehicle Weight Rating	13000 lbs	5897 kg
Base Vehicle Weight	7000 lbs	3175 kg
Maximum Carrying Capacity *	6000 lbs	2727 kg

GENERAL DIMENSIONS

Overall Height *	76 in.	1.93 m
Overall Width (Running Boards) *	77 in.	1.96 m
Overall Length *	200.5 in.	5.10 m
Wheelbase	120 in.	3.05 m
Ground Clearance (Differential)	9.5 in.	0.24 m
Ground Clearance (Transmission)	11 in.	0.28 m
Ground Clearance (Running Boards)	16.5 in.	0.42 m

ON BOARD CHARGERS †

Charger Option:	Time to Full Charge:
3 Phase 6.6 kW -208 V (30A)	5 Hours
3 Phase 9.9 kW -208 V (40A)	3.5 Hours

† The UT150-eMV can be equipped with multiple chargers.

SAFETY FEATURES

Ground Fault Protection	Sealed No-Spark Electrical System
Multiple Emergency Stops	Lock-out Disables High Voltage System
Battery, Charger, and Drive System Fault Alarms	

ELECTRIC MOTORS

Max Speed	42 km/h (Maximum speed may be programmed at any speed below 42 km/h)	
Cooling	Liquid cooled system	
Sealed System	IP67 rated seal on motors and controllers	

ELECTRICAL DRIVE SYSTEM FEATURES

Multiple User Settings	Data Logging of Drive Cycles and Drivers
Battery Charge Gauge	Log of Speed, Idle Time, Usage
Estimated Time and Range Monitor (shows range for flat and 20% grade)	

ELECTRICAL HYDRAULIC SYSTEM (EHS)

Pump	6 gpm	
Main Relief Pressure	1850 psi	
Hydraulic Tank Capacity *	60 liters	15.8 US gallons

ELECTRICAL COMPONENTS

Front and Rear Lights	6-LED High Output	
Other Features:	NEMA 12 Enclosures	
Bostrig Cables	Complete Mine Grade Wiring Package	

BATTERY MANAGEMENT SYSTEM (BMS)

Battery	Lithium-ion Cell	
Lifespan	10 Years	
BMS Features	Monitors State, Charge, Balances Cells	
Sealed System	IP66 Rated Seal	

TRANSMISSION

Make	Dana	
Type:	2 speed gearbox, (single speed used)	

AXLES & TIRES

Front and Rear Axle Make	Dana	
Front Axle Steering	Integral Steering Cylinder	
Front Axle Capacity	12500 lbs.	5669.9 kg
Rear Axle Capacity	12500 lbs.	5669.9 kg
Suspension Travel	7 in.	0.18 m
Tires	LT235 / 85 / R16	

BRAKE SYSTEMS

Service Brakes	Fully enclosed wet disc, piston actuated.	
Emergency / Park Brakes	Fully enclosed, spring applied / hydraulic release (SAHR) wet disc brakes.	
Regenerative Braking	Increased efficiency, reduced wear on brakes.	

STANDARD EQUIPMENT

Fire Extinguisher	Regenerative Energy Gauge	
Driver Efficiency Calculator	Ammeter	
Speedometer	Hourmeter	
Horn / Back-up Alarm	Emergency Stop Button	
Windshield Wipers	Neutral Safety Switch	
Electronic Throttle	Laminated Safety Glass	

TRAVEL RANGE [FULLY LOADED]

Grade:	Max Speed:	Max Range:		
Flat (0%)	42 km/h	26 mph	70 km	44 miles
Flat (0%) [§]	42 km/h	26 mph	140 km [§]	88 miles [§]
Ramp (20%)	14 km/h	9 mph	14 km	9 miles
Ramp (20%) [§]	14 km/h	9 mph	28 km [§]	18 miles [§]

[§] With Add-on Battery Pack

* Note: This machine is not approved for public roads

Headquarters

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