

# TOTAL WAREHOUSE

LONESTAR  
YARD GOAT

LITHIUM  
ELECTRIC TRACTOR

The **Lonestar S22**'s robust build allows it to handle even the most demanding loads. Its 22 hour battery enables the unit to excel in three shift operations. Charging the unit via its onboard charger or an external DC Fast Charger brings a flexibility not offered by the competition.

Our turnkey EV Solution provides clients the Efficiency, Reliability, and Safety required in today's high traffic yard goat applications.



22  
HOURS  
OPERATION

ASK  
ABOUT  
RENTALS

RENT  
BUY  
LEASE

# LOWER OPERATING COSTS INCREASE PRODUCTIVITY

The move from a Diesel to an Electric Yard Goat will enable the average 2 shift customer to save \$4,000 a month in fuel and maintenance. The additional **uptime** brought by our EV solution will lead to increased **productivity**. The Total Warehouse Energy team will evaluate each customer's application, provide an infrastructure analysis and build a turnkey Yard Goat and Charger Solution that will keep products moving safely and efficiently.

[WWW.TOTALWAREHOUSE.COM](http://WWW.TOTALWAREHOUSE.COM)

833-868-2500



## CAPACITY

Gross Vehicle Weight Rating 35,000 lbs  
Gross Combined Weight Rating 81,000 lbs

Steer Axle: 13,200 lbs  
Drive Axle: 23,000 lbs

## BATTERY

224 kWh  
CCS1 Charging Protocol  
Voltage 700v  
Chemistry - Nickel Manganese Cobalt  
Heated/Cooled - Yes  
Battery Management System - Dana

## PERFORMANCE / DRIVE MOTOR

Peak Power 315 HP  
Continuous Power 194 HP  
Peak Torque - 2286 ft-lbs  
Continuous Torque- 778 ft-lbs  
Top Speed 32 mph

## TIRES/ WHEELS

Good Year 22.5  
22.5 Steel White



## CAB

Air Conditioning - 4 vents  
LH sliding Window  
DOT approved glass  
18" steering Wheel  
Lighting - ALL LED

## HYDRAULICS

Electric Hydraulic Motor  
Parker Hydraulic Pump  
15 Gallon Tank  
Gates hydraulic hoses  
Electric Cab light hydraulic system with push button remote

## POWER STEERING

Electric power steering motor with tunability  
TAS 65 TRW  
Gates Pro Series SAE 100R2AT (4000PSI )  
Steel Reservoir out-board mounted  
Standard ATF

## SUSPENSION

6500 In Leaf 14,500 lbs serviceable bushings  
Double Acting Single Shocks  
Solid mount rear suspension

## SERVICEABILITY

Telematics -Standard  
Fleet Management Services  
Performance Data  
Charging Data  
Over the air updates  
Remote diagnostics

## CHARGING

External Charging Complete Recharge in 2 hours (150 kW Charger CCS1)  
Onboard Charger 11.7 hours (13kW J1772)

## OPTIONS

MirrorEye Camera Monitor System  
Auto Luber  
Heated and Cooled Seats  
Additional Cab Fan  
Radio with Bluetooth  
Prep Kit for CB Radio  
Driver Storage Bin  
Coil Over Cab Suspension

***Innovation.***  
***Serviceability.***  
***Performance.***  
***Productivity.***

### Support Services



AFTER MARKET SUPPORT SERVICES



FLEET MANAGEMENT SERVICES



INFRASTRUCTURE ANALYSIS



FINANCING SERVICES



CHARGING STATION



# LONESTAR YARD GOAT

**LEADING** *The Uptime Revolution.*  
Fast Charge, Clean Power, Low Cost

**LONESTAR SV**  
**ELECTRIC**



## What is WAIRE?

The Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program aims to reduce nitrogen oxide and diesel emissions associated with warehouses, help meet federal standards and improve public health, especially in communities located near warehouses in South Coast AQMD.

### SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Multi-County Air Pollution Control Agency  
-17 million people (40% of CA)

Governed by a Board of local elected and appointed officials  
-Separate from CA Air Resources Board

Monitor air quality and meet federal and state air quality standards

-28,000 permitted sources  
-Refineries, power plants, gas stations, etc.



### WAIRE Schedule

WAIRE will be phased in over time based on size (see below.) Once a phase is initiated, the rule requirements increase over a three-year period.

Phase	Warehouse Size (sq ft)	Warehouse Operations Notification* Due Date	Initial Site Information Report Due Date	First Annual WAIRE Report (AWR)	
				Compliance Period	Due Date***
1	≥ 250,000	9/1/2021**	7/1/2022	1/1/2022 to 12/31/2022	1/31/2023
2	≥ 150,000 - <250,000		7/1/2023	1/1/2023 to 12/31/2023	1/31/2024
3	≥ 100,000 - <150,000		7/1/2024	1/1/2024 to 12/31/2024	1/31/2025

### PHASE, DATES, PERCENTAGES

Compliance Year	Annual Variable		
	Phase 1 ≥ 250,000 ft <sup>2</sup>	Phase 2 ≥ 150,000 – 249,999 ft <sup>2</sup>	Phase 3 ≥ 100,000 – 149,999 ft <sup>2</sup>
2022	0.33	0	0
2023	0.67	0.33	0
2024	1.0	0.67	0.33
2025	1.0	1.0	.067
2026 and Beyond	1.0	1.0	1.0

**Revolutionize your operations with the next generation of power technology**

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**WAREHOUSE**

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