

H BRID Vehicle

DUECO's Plug-In Hybrid Electric Vehicle (PHEV)

(powered by ODYNE)

now available as an option on
the **Terex Hi-Ranger T292**.



- ✦ DUECO's PHEV eliminates on-site emissions and engine noise by utilizing a high capacity battery system for its **ALL ELECTRIC** operating mode.
- ✦ Electrical energy is used to power all boom hydraulic functions and the in cab climate control system for a full work day, **WITHOUT** the use of the diesel engine.
- ✦ Our unit has the **OPTION** of recharging through the use of clean, low cost electric power or through the diesel engine!
- ✦ Our **'PLUG-IN'** capability allows for fuel savings over other hybrid systems, by offsetting the consumption of fuel with standard grid power. Grid power is **LESS THAN 1/2** the price of diesel fuel.

Benefits of a PHEV unit

- Reduced fuel consumption/emissions from Hybrid Drive & Plug-in option.
- Reduced noise, from Engine idle elimination.
- Utilize stock engine and transmission.
- 100% Stationary Electric Mode Boom, HVAC, AC power sources.

PHEV - DIESEL ELECTRIC

Patents Pending

Partners in Green Technology for the Utility Industry



T292

Terex Hi-Ranger Telescopic
Non-insulated Aerial Device

Working Height	33.5 ft. (10.2m)
Horizontal Reach	20.9 ft. (6.4m)
Side Mount Platform	24"x24"x42"
Boom Travel	-8 to 80°
Platform Capacity	350 lbs. (159.8kg)

ADDITIONAL FEATURES

- 370° Non-continuous Rotation
- Hydraulic Platform Leveling
- Fiberglass Walk-thru Platform
- Electric Toggle Upper and Lower Controls
- Remote Pendant Lower Control with 20' Cable
- 12 Volt Auxiliary Letdown
- 110 Volt, 1450 Watt Platform Heater

GMC

2008 TC5500 4X2

Engine, Gas	VORTEC 8.1L MD 325 HP, 450lb Torque
Transmission, Automatic	Allison 1000
Front (GAWR, rated)	7,000
Rear (GAWR, rated)	13,500
Total (GVWR, rated)	19,500

PHEV SYSTEM

- Aerial lift, 0 emissions, operating time = 8 hr. (Est.)
- Battery Capacity = 35 kWh
- Plug-in recharge time = 8 hours (Approx.)
- On Board Power Charger = 5 kW, 240 VAC
- Diesel Powered Recharge Capability
- Motor size 50 kW, Regen & Traction assist
- Electric A/C 13,5000 Btu - upgrades available
- Exportable Power = 6 kW to 30 kW continuous
- Charging Station

H²BRID POWER

PHEV - DIESEL ELECTRIC

Patent Pending