

40 MPG Hybrid AT-FT

All-Terrain Farm Tool – One Platform
Endless Possibilities

Sword's to Plowshares

Solar-ready, diesel/electric hybrid utility vehicle that does the work of a tractor, a pickup, a generator, and a well drilling rig – all in one platform.

Tillage

- Pulls a two-bottom plow and disc harrow

Transport

- 1 ton payload, tows up to 2,500 kg

Well Drilling

- Drill 20+ solar-powered wells in 60 days

Power Station

- On-board generator powers hammer-mill and other tools

Water Pumping

- Solar array + swappable battery pack for off-grid pumping

Emergency Response

- First aid kit + medical transport for expectant mothers



One Kit – Emergency Aid - Development Aid – 2 Kits per Container

- ◆ 2 - 40 MPG Hybrid 4x4 All Terrain Farm Tool - specially engineered for the tough environment of Africa
- ◆ 2 - electric well rigs
- ◆ 4 - single axle trailers
- ◆ 20 - solar well pump kits
- ◆ 2 - walking tractor with generator, 2 bottom plow, and disc
- ◆ 2 - electric hammer-mill grain grinders
- ◆ 2 - medical first aid kits
- ◆ 2 - hand push seeders

Why this platform?

- ❑ **Proven in the Field** – Built on a Great Wall “Wingle 5” chassis, a reliable platform already trusted in off-road and farm environments worldwide.
- ❑ **One Platform, Endless Tools** – Instead of buying a tractor, a truck, and a generator, you buy one unit. Attachments include: plow, disc, hammer-mill, well drilling rig, water tank, trailer, and more.
- ❑ **Mechanizes the Hands of the Poor 20-60 Fold** – What used to take hours of manual labor can now be done in minutes. Mechanization can change the lives of up to **2,000** people in a community.
- ❑ **Self-Sustaining Income Model** – Farmers rent the equipment and contract services. No long-term donor dependence. This is how you build real sustainability.

Key Specs - Diesel vs. Hybrid

	Diesel (25 MPG)	Hybrid (40 MPG)
Drive	4x4 (4L torque 1.97x)	2WD rear e-axle (4WD optional)
Power	Diesel ~170 N·m	15-20 kW motor (30 kW peak)
Range Extender	External diesel (opt)	14.5 kW diesel (removable)
Battery	None	5-20 kWh LFP, 15-80 km EV range
Top Speed / Payload	45 mph / 1 ton	45 mph / 1 ton

Optional accessories list

Trailer • Well Drilling Rig • Hammer-Mill • Two-Bottom Plow • Disc Harrow • Solar Array & MPPT Controller • Swappable Battery Trailer • Winch • First Aid Kit