

THE FUTURE OF SAFARI IS ELECTRIC

Electric vehicles and off-grid solar power, designed, built
and maintained in Africa.

SILENT
SAVANNAH
ELECTRIC VEHICLES



BOLT-IN EV CONVERSIONS • SOLAR CHARGING CONTAINERS • SOLAR CHARGING TRAILERS

Contents

✓ Bolt-in Electric Conversion

✓ Solar Container

✓ Solar Trailer

✓ Service Packages

Introduction

At Silent Savannah we build electric vehicles and the off-grid, portable solar power to power them and operations.

Our bolt-in drivetrain converts the Land Cruisers and Land Rover Defenders to electric in a few simple steps. Our solar containers and trailers generate and store the power to charge them and power your operation, anywhere.

Both are built in Nairobi and supported in the field by our own team.

Whether you run a safari fleet, a conservancy, a research station or a field programme, the same two products remove your dependence on diesel.

Feel free to reach out with any questions you may have.

Kind regards,

Ben Wedd

Co-Founder & Business Development Manager

The Complete Solution

Remote operations run on diesel. It has to be trucked in, stored and paid for at whatever the price is that month. We replace both halves of that dependency: the vehicles, and the power that charges them.



01 ELECTRIC VEHICLES

Bolt-in electric conversion

Land Cruiser 79 Series and Land Rover Defender. The diesel drivetrain comes out, ours goes in. The vehicle is back on the road in a few days.



02 SOLAR POWER

Modular off-grid solar

Relocatable solar containers and towable solar trailers. Generation, storage and charging in one unit. No grid connection, no civil works, no permanent installation.

01 • VEHICLES

Bolt-In Electric Conversion

Convert your vehicles to electric.

Keep the vehicles you own and give them 10 years more life.
We remove the diesel engine, fuel and exhaust systems and fit
a complete electric drivetrain in their place.

Land Cruiser 79 Series • Land Rover Defender 110 & 130

Electric Drivetrain

Standard

USD 35,000 + VAT

Long Range

USD 37,000 + VAT

Cash back of up to USD 8,000 for your used diesel drivetrain components.

2 DAY CONVERSION • 180KM RANGE • 40,000 KM WARRANTY



Technical Specifications

Electric drive train – Standard and Long Range

Power	160 kW
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Torque	355 Nm
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Battery capacity	40 / 62 kWh
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Range (off road)	150 / 180 km
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Battery life span	10 years
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Charging power	6.6 kW
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Charging time	6 / 8 hrs
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Weight added	0 / 50 kg
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Transmission	High / Low 4WD retained
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Differential	Diff lock retained
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Braking	Regenerative braking
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Motor	Water cooled
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Inverter & charger	Water cooled
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Software	Custom drive modes
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Data	Usage, charging, carbon
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Warranty	40,000 km drivetrain
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Two days in the workshop. Same chassis, same 4WD, same low range. More power, no diesel or diesel costs.





Vehicle Applications

Any Land Cruiser 79 or Land Rover Defender in your fleet is a candidate, whatever it currently does.

Game viewers

Guests hear the bush instead of the engine, and wildlife is disturbed less.

Ranger & anti-poaching

Silent approach, no fuel signature and no diesel run to a remote post.

Research

Low disturbance for collaring, darting, census work and camera trap rounds.

Camp & lodge support

Supply runs, laundry, staff movements and maintenance, without the fuel bill.

Guest transfers

A quiet, clean first impression on the drive in from the airstrip.

Conservancy operations

Fence lines, road maintenance, water points and boundary checks.

Diesel USD 0.40 / km → solar-charged electric as little as USD 0.02 / km • over USD 4,000 saved per vehicle per year in maintenance and fuel costs.



Solar Containers

Modular, off-grid solar power stations.

Panels fold out from the roof of a standard container. Charge up to four vehicles at once, run camp lighting and refrigeration, or do both from one unit.

Expandable to 28.4 kW / 200 kWh · relocatable by flatbed · no grid connection

Solar Container

Single 7.1 kW / 50 kWh

USD 27,000 + VAT

Dual 14.2 kW / 100 kWh

USD 33,000 + VAT

Larger systems for camp power and bigger fleets available on request.





02 • POWER

Solar Trailers

Towable, off-grid solar power stations.

Panels fold out from the roof and sides in under 5 minutes. One person, no tools. Tows behind any standard pickup with a 3.5 tonne rating.

Up to 18 kW solar and 120 kWh storage · 1 vehicle, 2 vehicles, or 1 vehicle plus camp power

Solar Trailer

Single 6.5 kW / 50 kWh

USD 32,000 + VAT

Dual 13 kW / 100 kWh

USD 40,000 + VAT

Built for operations that move: seasonal camps, expeditions and field deployments.



Solar Applications

The same unit charges a safari fleet on Monday and runs a field clinic on Thursday.

Electric fleet charging

One dual unit charges up to four vehicles a day, entirely off-grid.

Camps & lodges

Cut generator hours. Lighting, refrigeration and guest power on solar.

Ranger outposts & gates

Lighting, radios, comms and cold storage with no line and no fuel run.

Community energy

Schools, clinics, boreholes and small enterprise, without waiting for the grid.

Humanitarian response

Tow it in, deploy in 5 minutes, power a clinic, comms tent or water unit.

Research & expeditions

Sample storage, instruments, satellite comms and charging for field teams.

Also used for events, film shoots and conservation fundraisers. Our trailer supported Rhino Charge 2026.



Service & Support

Remote operations cannot afford downtime. We keep your fleet running, wherever you are.

Complete Service Package

USD 1,800 / year

Full mechanical and EV drivetrain. 2 site visits a year, battery SoH assessment, remote telemetry, 2 emergency callouts, priority helpdesk.

EV Drive Train Package

USD 1,150 / year

2 drivetrain inspection visits a year, battery SoH assessment, remote telemetry, 2 emergency callouts, extended battery warranty.

Extended Battery Warranty

USD 1,300 / year

Battery warranty beyond the two years included as standard, plus email assistance. No scheduled site visits.

Solar Service Package

USD 600 / year

Annual electrical inspection and maintenance, solar dashboard monitoring, extended workmanship warranty.

Included as standard on every conversion: 40,000 km drivetrain warranty · 2 year battery warranty · handover training for your drivers and guides

www.silentsavannah.com


LEARN MORE AT WWW.SILENTSAVANNAH.COM



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