

# ELECTRIC 4WD ALL TERRAIN VEHICLE



**Milbay**  
Australia

Specification	Description
<b>Manufacturer</b>	Milbay Australia.
<b>Model</b>	Recharge™ (MB-572UTV)
<b>Motor</b>	Maintenance free 72V AC brushless.5kW constant running 16kW peak
<b>Battery</b>	Milbay Lithium LiFEPO4 Intelligent Automotive System. Storage capacity (travel distance per charge) options: 3.6kWh (25km), 7.2kWh (50km), 14.4kWh (100km), 29kWh (200km)
<b>Charger</b>	Output- 1.5kWh Source- 240V AC 10Amp. Note: Increased output charge options available for battery sizes over 7.2kWh.
<b>Brakes</b>	Front and rear hydraulic disc with intelligent energy recovery system.
<b>Suspension</b>	Front and rear independent dual control arm with coil over shock absorbers
<b>Chassis</b>	Steel frame with anti-corrosion treatment. 5 year anti-corrosion warranty
<b>Steering</b>	Rack and pinion with Electric Power Steering assistance
<b>Drive</b>	Electronic switchable 2WD, 4WD with front differential lock, conventional tail shaft, conventional CV joints
<b>Colours</b>	Blue, green, red and custom wrap option
<b>Included</b>	Tow bar, steel wheels. Options: windscreen, enclosed cabin, winch, alloy wheels,
<b>Warranty</b>	2 years plus 5 years anti-corrosion warranty on chassis

# Recharge™ 4WD Electric Utility Vehicle

## Suspension, Steering and Brakes

**Easy steering** - Driving the Milbay Recharge™ electric 4WD is just like driving any small vehicle. The sports steering wheel is comfortable and easy to grip and combined with EPS Electric Power Steering all drivers can experience effortless steering on rock, gravel, mud, sand, grass or asphalt surfaces.

**Smart brakes** - Front and rear hydraulic disc brakes feature an intelligent Energy Recovery System to provide additional braking power while increasing the driving range. During braking and steep descents the energy recovery system converts the vehicles kinetic energy to electricity that is used to recharge the intelligent battery system.

**Tough suspension** - The Recharge™ is a serious off-road 4WD with a well proven suspension design. The four wheel independent dual control arm and coil over shock absorbers create a comfortable and smooth ride on any terrain and the high ground clearance means the Recharge™ electric 4WD can go where others cannot.



## Low Maintenance Design



**Electric Vehicle Reliability** - Increase productivity by drastically reducing daily and scheduled maintenance service routines. The low maintenance design and high quality build of the Milbay Recharge™ equals more time in the field performing productive work

**Do nothing battery and motor design** - The Recharge™ zero maintenance LiFePO4 (lithium) battery system and AC permanent magnet brushless motor do not require any operator maintenance or service.

**Anti-corrosion** - Forget about constantly applying oils and chemicals to the vehicle frame to stop corrosion.

The Recharge™ steel chassis is treated with Milbay's exclusive anti-corrosion system. Our 5 year warranty guarantees owners will enjoy a long vehicle service life in Australia's harsh coastal and agricultural environments.

## Smart Drive System

**Built to last** - The Recharge™ smart drive system features a mix of both new smart electronics and heavy duty conventional drive train components.

**Gearbox and transfer case** - The Recharge™ 4WD intelligent vehicle control system manages the user selectable Reverse and Hi-Med-Low speed ranges. The electronically controlled all-in-one transfer case and rear differential assembly passes the power from the motor to the other drive system components.



**Front differential** - Featuring Electric Differential Lock System. Simply push the button on the dash control that is exposed when the vehicle is in 4WD mode and the front differential locks so that both front wheels are in drive mode.

**Tail shaft and CV Constant Velocity shafts** - The front differential connects to the transfer case output via a heavy duty tail shaft. Final drive from the front and rear differentials to the wheels is performed by low friction CV shafts. Steel intrusion deflectors protect the CV joint grease boots from rips and tears.