



ELECTRIC UTILITY VEHICLE



**G4**

*Electric / Lithium*



**GOUPII**

# INNOVATIVE

The new standard for electric compact utility vehicle

The Goupil G4 incorporates the features that made the G3 so successful (size, robustness and ergonomics...) offering the highest comfort and performance. All components of the vehicle have been entirely redesigned to a quality level exceeding the standards of the market. The steel frame chassis provides resistance to deformation and unrivalled modularity, the running gear ensures comfort and a perfect stability including at maximum load; steering and brakes have also been redesigned to instantly and smoothly respond to the driver's commands. Goupil G4 offers a unique driving experience for a utility vehicle of this category.

# VERSATILE

Equipment specific to each trade

Like the models that made Goupil so successful, G4 incorporates the modular chassis concept and offers unrivalled versatility. The G4 is adaptable to your business offering of customised equipment for garbage or organic waste collection, maintenance of parks and gardens, building maintenance, delivery...

With a payload above 1,200kg and an autonomy on real use up to 120km, G4 will meet the requirements of the most demanding applications.



Some examples of **CONFIGURATIONS**



A wheelbase, a wide range of fitting are available

WHEELBASE



Roll-up Door Van



Hosing / High Pressure Cleaner



Fixed or Tilt Deck



Refrigerated Van



Garbage Collection Skip

ZOOM ON

## THE CABIN

The 1.2m wide new cabin offers unique space and visibility for a utility vehicle of this category. The overall ergonomics and the control positioning have been designed so that the driver can take to the road safely. Backlit buttons within easy hand's reach. The LCD screen offers a perfect visual comfort and instant control of the key data of the vehicle. The G4 cabin also offers additional storage space between the seats and behind the backrests.



MIXED CONFIGURATIONS

Easy cleaning, vacuuming or storing

• 100% FLEXIBILITY

Mixed configurations comprised of the tilting deck or collection skip allow to quickly adapt and fit the vehicle with high pressure cleaner or leaf vacuum sweeper or even with a storage box.



# GOUPIL-G4

Up to  
\* 120 km

Payload  
above  
1200 kg

Maximum  
Speed  
50 km/h

Total  
Width  
1m20

\* Real use

## STRENGTHS

- **AUTONOMY**  
120km of autonomy based on real use with the battery pack of 14kWh Lithium.
- **ERGONOMY**  
Height Load Threshold 81cm. Easy access to the driver's cabin, ideal in "Stop & Go" applications.
- **SAFETY**  
Driver's Safety: 3-point seatbelt, pedestrian presence and safety sensor: speed limit on command and presence detector alarm.
- **ECONOMIC**  
Reduced service and energy consumption costs (€2 for a full charge).
- **COMFORTABLE**  
Cabin fitted with full standard equipment.
- **MODULARITY**  
G4 offers a wide range of equipment adapted to your needs and interchangeable in mixed configuration.
- **ROBUST**  
G4 benefits from the Goupil expertise on electric vehicles combined with the Polaris expertise on drive axles.
- **INNOVATIVE**  
G4 incorporates the G3 key advantages and bringing crucial innovations on the key elements of the vehicle (steering, braking system, modular chassis, cabin comfort...).
- **CERTIFICATION AND MANUFACTURING**  
Goupil G4 is N1 certified and can be eligible to green bonus where applicable.  
The Goupil G4 was designed and is assembled in France.

## SERVICES & OPTIONS

- **OPTIMISE YOUR COSTS AND ADAPT YOUR CONTRACTS BASED ON YOUR REQUIREMENTS**  
Goupil Industrie offers long-term rental or leasing contracts and maintenance contracts (Full service) up to 5 years.

## TESTIMONY

With the Goupil G4 we wanted to start from scratch with the aim of designing a versatile electric utility vehicle with a speed up to 50 km/h, transport over one ton of load and offer an autonomy exceeding 100km. Based on 15 years of G3 history and working closely with our key customers, we have redesigned the critical components of the vehicle: chassis, cabin, suspension, cable bundle.....

Throughout the development process we performed intensive passing tests on test tracks and accelerated ageing tests on deformation benches to ensure the delivery of a reliable and robust vehicle to our customers.

Sylvain de Oliveira  
Chief Engineer  
Goupil Industrie



## PAYLOAD

Capacities exceeding the standards

With its payload up to 1,217kg\*, the Goupil G4 far exceeds the standards of the market and offers a unique load capacity.

\* Depending of 9kWh battery and equipment

## STOP & GO

Electricideally adapted to the "Stop & Go" applications. The G4 goes further, ergonomically designed for collection or delivery business: seat height, load threshold, cabin access and rear equipment.



## COMPACT SIZE



G4 Goupil is a utility vehicle compact for professionals. Resolutely modern, with its large glass area (rear and footpath view) and a very compact size, the G4 is the evolving utility vehicle.

Quiet and safe drive in town centre or on closed sites (resorts, industrial sites....)

## ENERGY

The G4 can house several battery capacities to best match your energy needs. There is a choice of 3 packs of industrial towing battery (8.6kWh, 11.5kWh, 15.4kWh) and 2 packs with Lithium Iron Phosphate technology (9kWh, 14kWh). G4 will get charged whichever the technology chosen. On a standard power point (16A, 220V) - Lithium will provide more flexibility and the possibility to recharge in part.



## Equipment Coachbuilder

Goupil Industrie also is coachbuilder of their equipment. This ensures a perfect integration of the different vehicle configurations. All equipment is electric (no additional heat engine for their operation) and optimised in terms of consumption, weight and noise levels.

### OTHER EQUIPMENT

The AK 5 is available as an option on all configurations

tri flash  
AK 5





## WHEELBASE



### STANDARD EQUIPMENT

#### Safety

- Presence sensor and immobiliser on driver's seat
- Electric proportional braking
- 3-point seatbelt
- Circuit
- Central locking and sliding windows
- Low or high speed switch
- Handbrake with torque limiting sensor

#### Comfort & Visibility

- Adjustable comfortable seats
- Windscreen defrosting/demisting
- Wipers and washer system
- Cabin rear window
- LED running
- High-definition LCD colour display
- Rear fog light and reverse light
- 4-pole charging socket

### HOMOLOGATION

Type of certification	N1 / L7e-CU
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### PERFORMANCE

Maximum speed	50 km/h
Towing (off road)	3,500 kg
Maximum slope (empty)	30 %
Maximum slope with maximum load	15 %

### LOADS

Empty weight (with doors, without battery)	582 kg
Fully loaded weight	2,100 kg / 1,800 kg (Lithium) - 2,100 kg (Acid)
Maximum towing capacity on road (unbraked trailer)	750 kg / 291 kg
Maximum towing capacity on road (braked trailer)	1,400 kg / 291 kg

### MAIN DIMENSIONS

Length	3,582 mm
Cabin width	1,197 mm
Height	1,893 mm
Clearance angle	20°
Turning radius	3,900 mm

### TRANSMISSION

Type	Rigid axle with differential
Gear ratio	14.87:1

### ENGINE

engine	AC induction / Asynchronous
Maximum torque	57 Nm
Nominal power	10 kW

### BRAKES

Main braking system	X dual circuit braking system
Front brake diameter	247 mm
Rear drum diameter	230 mm

### CONTROLLER

Manufacturer	Curtis
Nominal voltage	36-48V

### SUSPENSIONS

Front suspension / suspension travel	McPherson / 163 mm
Rear suspension / suspension travel	Spring and composite leaves / 96 mm

### ROAD TYRES

Type	Tubeless Radial Steel
Size	155R13C 90N
Recommended tyre pressure	4.5 bar

### TURF TYRES

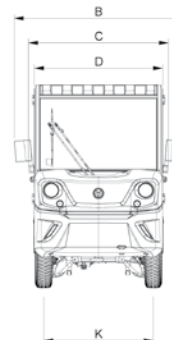
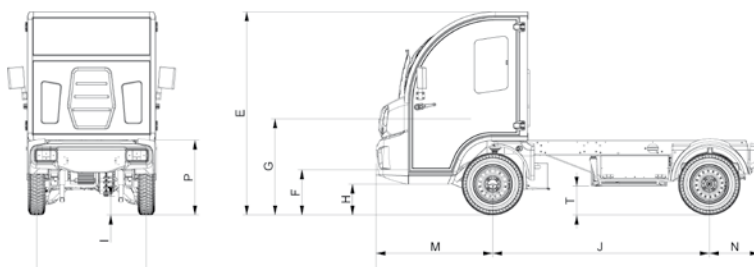
Type	Tubeless Radial Steel
Size	23x8,50-12 10 PR
Recommended tyre pressure	2.3 bar

### TOWING BATTERIES

Technology	Lead-acid, 2V cell		
Capacity	8,6 kWh	11,5 kWh	15,4 kWh
Autonomy on real use (load - unload)	40 - 50 km	45 - 65 km	60 - 85 km
Battery weight	325 kg	418 kg	492 kg

### LITHIUM BATTERIES

Technology	Lithium LiFePo4	
Capacity	9 kWh	14 kWh
Autonomy on real use (load - unload)	50 - 85 km	80 - 120 km
Battery weight	148 kg	192 kg



### SIZE (mm)

A	3,582	I	175
B	1,574	J	2,022
C	1,305	K	1,021
D	1,197	L	1,021
E	1,893	M	1,089
F	423	N	468
G	897	P	697
H	288	T	270

