



# G5

## THE ELECTRIC -HYBRID UTILITY VEHICLE



Designed using hybrid technology, the G5 is first and foremost an electric utility vehicle. It allows customers to benefit from the qualities offered by the electric motor during "stop and go" journeys in the town centre, without limiting autonomy, and can travel at a maximum speed of 70kph in peri-urban areas.

### DUAL-MODE HYBRID TECHNOLOGY

#### 2 operating modes



#### ELECTRIC MODE

Offers an autonomy of 60 to 100km and a speed of 40kph for local applications.

#### HYBRID MODE

Starting in electric mode, the petrol engine takes over at 25kph. At speeds of over 30kph, only the petrol engine operates. The maximum speed is 70kph.

**Goupil G5: environmentally friendly figures**  
70% less fuel used in relation to a conventional vehicle in an urban setting(\*)



<b>Kms driven</b>	15	50	15
<b>Mode</b>	Hybrid	Electric only	Hybrid
<b>G5 consumption</b>	1,2L	0L	1,2L
<b>Time</b>	30' travelling into town (**)	7 hours of intensive "stop and go" travel, deliveries round town	30' travelling out of town (**)

Estimate for a standard goods delivery in town setting out from a logistic unit located outside the town. This journey comprises two distinct types of travel.

(\*) Hypothesis: 12L to 100 in intensive "stop and go", 8L to 100 for out-of-town driving  
(\*\*) approx. 30kph average

The G5 is also available in an all-electric version

### HIGH PERFORMANCE BATTERIES



Robust batteries with a 4 year warranty or 1500 cycles

Making	open lead - 2V traction cell twenty four 2v cells		
<b>Capacity</b>	180 A.h	240 A.h	320 A.h
<b>Warranty</b>	4 years or 1500 cycles		
<b>Range</b>	60km	80km	100km
<b>Weight</b>	280kg	372kg	492kg
<b>Payload on fix-deck G5- H hybrid</b>	610kg	510kg	435kg
<b>Payload on fix-deck G5-Electric</b>	690kg	590kg	520kg



# TECHNICAL CHARACTERISTICS

## PERFORMANCE

	G5-E electric		G5-H hybrid	
	Heavy quadricycle ( L7e)		Heavy quadricycle ( L7e)	
Road approval				
Number of passengers	2		2	
Speed	40kph in electric mode		70kph in hybrid mode	
Battery	240	320	240	320
Weight when empty	1170Kg	1250Kg	1260kg	1335kg
Maximum load on deck	680Kg	610Kg	600kg	525kg
Autonomy [1] in electric mode	80km	100km	80km	100km

[1] Autonomy at established speed of 40kph. The actual autonomy depends greatly on use: speed, load on deck, uneven ground, number of starts.

## MECHANICAL CHARACTERISTICS

Steering	steering rack		
Front braking	Ø240mm hydraulic disk brakes		
Rear braking	Electric brake with energy recovery Ø210mm hydraulic disk brakes		
Suspension	McPherson type		
Transmission	Dual-mode hybrid	Continuously Variable Transmission (CVT)	
	Electric engine	Direct drive	
Wheel dimensions	155/R13C		

### ELECTRIC ENGINE

Asynchronous engine	5,4kW 2700 tr/mn
Variable speed drive	48V - 350A
Variable speed drive	48V - 30A
Intelligent HF electronic charger	12A
Charge time	8 to 10 hours
Batteries	240Ah or 320Ah [C5] traction 4-year or 1500-cycle warranty

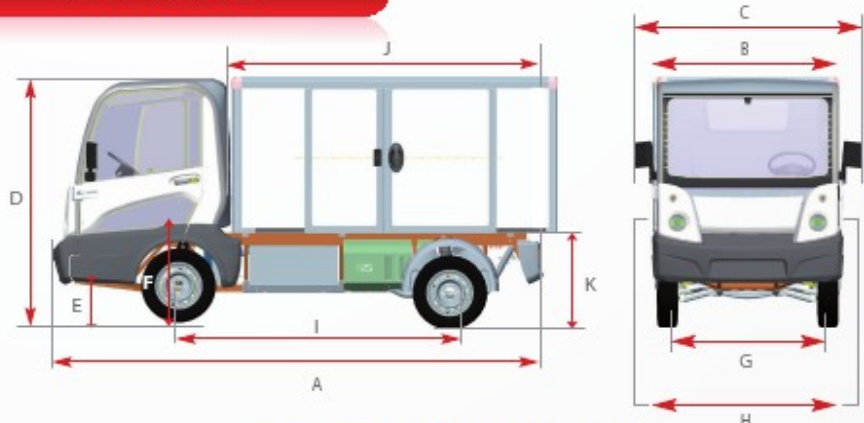
### HEAT ENGINE

Heat engine	4tps petrol engine
Injection	electronic
Max. power	15kw at 4400tr
Cylinders	2 in-line
Displacement	505 cm <sup>3</sup>
Tank capacity	30 liters
Fuel	unleaded-95 petrol

## DIMENSIONS

### DIMENSIONS (mm)

A	Overall length	4000
B	Width	1520
C	Overall width	1800
D	Overall height	1900
E	step height	400
F	Seat height	820
G	Front track width	1215
H	Rear track width	1235
I	Wheelbase	2095
J	Deck length	2500
K	Loading height	810



### EQUIPMENT DIMENSIONS

		Standard Version	Wide Version
Deck	overall length	2400	2400
	overall width	1440	1600
	height of side panels	300	300
Box van	overall length	2535	2535
	overall width	1400	1600
	overall height	1210	1210

On request : box van up to 6.5m<sup>3</sup>

### TURNING RADIUS

between pavements 4,40m