

Practicality as standard.

The responsive acceleration, agile handling and robust construction of the BMW F 650 GS mean it is at home on every kind of terrain. As such, it is the ideal motorcycle for armed forces, rescue services and police forces all over the world.

F 650 GS

Quality and agility.

The BMW F 650 GS is designed to get out of any tight spot. A lightweight construction and narrow profile are combined with agile handling in a nimble, stripped-down motorcycle that delivers excellent performance on and off-road.

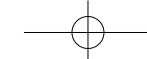
Put us to the test.

Customized solutions are what we do.

Visit www.bmw-motorrad-authorities.com to find out more about the enormous possibilities offered by BMW Motorrad optional equipment, and to see what sort of uses BMW Motorrad official and special duty vehicles are particularly suited to.

We will also be delighted to answer any questions you may have in person – please contact us to discuss the specific requirements of your organization.

411 202 420

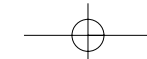


BMW Motorrad

Official and Special
Duty Vehicles
F 650 GS



The Ultimate
Riding Machine



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Duty Vehicles
F 650 GS



The Ultimate
Riding Machine

Compact and cost-effective.
BMW F 650 GS.

All-terrain technology.



Plenty of power.

The single-cylinder engine in the BMW F 650 GS is both compact and responsive. Its digital engine management delivers an impressive combination of fuel economy and potent acceleration on asphalted roads and firm off-road terrain.

Plenty of luggage space.

A flexible pannier system is available as an optional extra. The size can change between two settings, and with a maximum capacity of up to 31 litres, there is plenty of room for riders to store all their equipment, whatever their mission.

Plenty of warning.

Where legally permitted, this BMW Motorrad model is available with an electronic sound system to generate country-specific warning sounds. A programmable electric siren is also available.

BMW F 650 GS

agility

Low cost, high performance.

The BMW F 650 GS is a highly versatile machine, with a huge array of optional equipment. This compact, stripped down motorcycle is particularly suitable for organizations that need to deploy their people rapidly within the local area, thanks to its lightweight construction, ease of handling and durable 4-stroke single-cylinder engine. And it is as comfortable off-road as on.

Built to perform.

Technical data

Engine type:	4-stroke, single-cylinder engine
Valves per cylinder:	4
Engine capacity:	652 cc
Bore x stroke:	100 mm x 83 mm
Output:	38 kW (51 bhp) at 6,500 rpm 25 kW (34 bhp) at 6,000 rpm*

Torque:	60 Nm at 4,800 rpm 51 Nm at 4,000 rpm*
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Compression ratio:	11.5:1
Cooling system:	Water
Fuel/engine management:	BMW engine management
Emission control:	Regulated 3-way catalytic converter
Transmission:	5-speed gearbox
Final drive ratio:	2.94:1

Electrics

Alternator:	400 W
Battery:	12 V/12 Ah

Dimensions/weight

Usable tank volume:	17.3 l (of which 4.5 l reserve)
Seat height, unladen:	780 mm
Unladen weight, fully fuelled/road ready:	193 kg
Dry weight (unladen, without fluids):	175.4 kg
Max. permitted weight:	380 kg

Performance/fuel consumption

Top speed:	166 km/h approx.
Consumption (may vary depending on optional equipment):	
-100 km at a constant 90 km/h:	3.2 l
-100 km at a constant 120 km/h:	4.3 l
Fuel type:	Super unleaded (95 octane)

Chassis/brakes

Frame:	Tubular frame with bolted-on rear section
Fork:	Telescopic fork with fork stabilizer, stanchion diameter 41 mm
Suspension travel, front:	170 mm
Suspension travel, rear:	165 mm
Swinging arm:	Steel box-section double swinging arm
Drive system:	O-ring chain
Suspension:	Central suspension strut with helical compression spring and monotube gas pressure shock absorber, continuously adjustable rebound damping, spring preload continuously adjustable via hydraulic cylinder

Brakes, front:	Stainless steel single disc brake (ø 300 mm) with double-piston floating caliper,
Brakes, rear:	Single disc brake (ø 240 mm) with fixed disc and single-piston floating caliper
Wheels:	Spoked
Tyre, front:	100/90 - 19 57 S
Tyre, rear:	130/80 - 17 65 S (inner tube)

* Reduced performance version