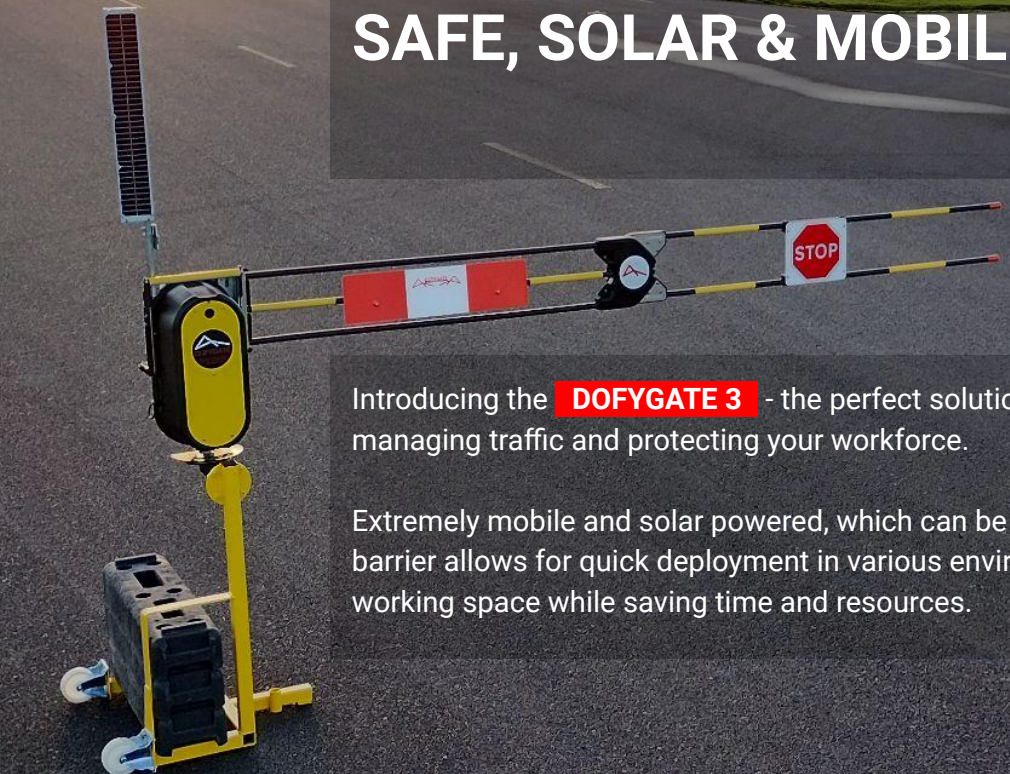
DOFYGATE

SAFE, SOLAR & MOBILE DOFYGATE 3



Introducing the **DOFYGATE 3** - the perfect solution to establish safety onsite in seconds - managing traffic and protecting your workforce.

Extremely mobile and solar powered, which can be controlled remotely. This innovative barrier allows for quick deployment in various environments, ensuring a safe and efficient working space while saving time and resources.

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PLAY INTRODUCTION VIDEO

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A BIT ABOUT US

The DG3 represents over 10 years of development and builds on our experience to produce a simple to use product you can rely on; whilst making a great first impression to site.

We are a small team, assembling barriers from parts made to our design by craftsman mostly located in the UK. This provides a compact and flexible operation providing a fast response to customer requirements and have supplied hundreds of gates to many sectors including major house builders, infrastructure & road projects.

Dofygate Ltd is backed by a farming business ensuring it is well resourced and scalable.

February 2011
The concept outlined and the theory of an electrified carbon fibre gate tested.

February 2012
Oliver Chastney joins project as Design Engineer. First Prototypes of new design built. Development of concept of a fencer that could detect touch.

June 2012
Purchase of a Solidworks 3D engineering design program.

July 2012
DOFYGATE Ltd Formed.

September 2012
Application made to Technology Strategy Board for prototype development approved in November, resulting in 2 year development program.

April 2014
Orders placed for first production run.

June 2014
Website created and first gates sold.

January 2015
Alternative markets for gate identified and options to suit those markets developed including fixed radio button, keypad and telephone opening.

March 2015
Temporary stand to further broaden flexibility of the gate.

May 2015
Range of options expanded to include automatic opening, timed open and close.

January 2017
Re-design of the DG1 gate started to improve use in traffic control environments.

January 2018
First DG2 built to replace DG1 production. 90 % of the parts have been re-designed to improve efficiency or strength.

March 2018
First appearance at Safety and Health 2018 event at the London Excel followed by the Health and Safety 2018 event at the NEC where the gate was very well received.

March 2019
Updated web site and marketing strategy aiming the business at traffic control into and within production areas, loading areas and construction sites.

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SAFE

Safety is a top priority with the unique movement meaning the closing barrier is always in sight coming in from the side rather than down from above.

Should the barrier make contact with a person or vehicle when closing the impact is very light.

Standards

EN 60204-1:2006+A1:2009+AC:2010 2006/42/EC

BS EN 12424:200, BS EN 12453:2001

BS EN 12978:2003+A1:2009

BS EN 12604:2000, BS EN 12425:2000

BS EN 12978:2003+A1:2009

BS EN 12453:2001

SOLAR

DOFYGATE 3 is not an existing design with a solar panel added. It is designed with solar energy in mind to ensure maximum efficiency using carbon fibre and a power saving open / close movement. Low waste, high conversion MPPT solar charge control and adjustable 7 watt monocrystalline solar panel charging a lightweight battery there is ample reserve power to cover dull periods without the need to remove the battery for charging. Dofygate will operate 3600 cycles from the battery alone.

This solar solution works by sipping power in standby current of (4.2ma) provided by a 9000 ma/hr battery charged from a solar panel producing over 300ma/hr on a sunny day. It is all about having plenty of reserve power.

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MOBILE

Dofygate 3 offers versatile and flexible traffic management solutions that can adapt to your changing needs. It's compact design and lightweight structure easily moved around the site either fixed to a post using our adjustable brackets or mounted on a wheeled stand.

Setting up the barrier is quick and easy, with no dismantling needed. Simply turn it off, move it to a new position using the built-in wheels, and turn it back on again.

The barrier's 25kg weight and integrated carry handles make it a one man operation.

The Dofygate 3 transmitter offers reliable operation from up to 120m, allowing you to control multiple barriers remotely and safely. Phone, keypad and intercom opening options are available.

TOUGH

Dofygate 3 is designed to withstand the toughest environments and perform reliably in all conditions. The arm lock feature secures the folded barrier in place for safe and secure redeployment.

The collision protection ensures that the barrier is protected against impact and can be quickly back in operation with no damage. The carbon fibre arm construction combines high strength with lightweight, making it durable and easy to handle.

Additionally, the motor protection feature ensures that the arm cannot be damaged even if it is forced out of position.

The solar panel is located above the cabinet, which keeps it out of the way of splash from passing vehicles so it maintains the battery in good condition avoiding battery changes and without the need for regular cleaning.

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OPTIONS

Purchase	Price	Hire	Price
Gates		Single Gate with Stand	Contact
Single Dofygate 3 without stand (3m)	Contact	Arrangement fee including UK delivery	
Single Dofygate 3 with Stand (3m)	Contact	both ways & first weeks hire (single unit)	Contact
Twin Dofygate 3 set without Stand (6m)	Contact	1 week	Contact
Twin Dofygate 3 set with Stand (6m)	Contact	1 month	Contact
		3 months	Contact
		6 months	Contact
		1 year	Contact

For information regarding automatic, telephone & keypad opening as well as bespoke Signage and Multi-bar Gates please contact us.

Contact us for hire prices of single, double or larger orders of Dofygate as well as any special requests.

**All quotations provided are valid for 30 days only.*

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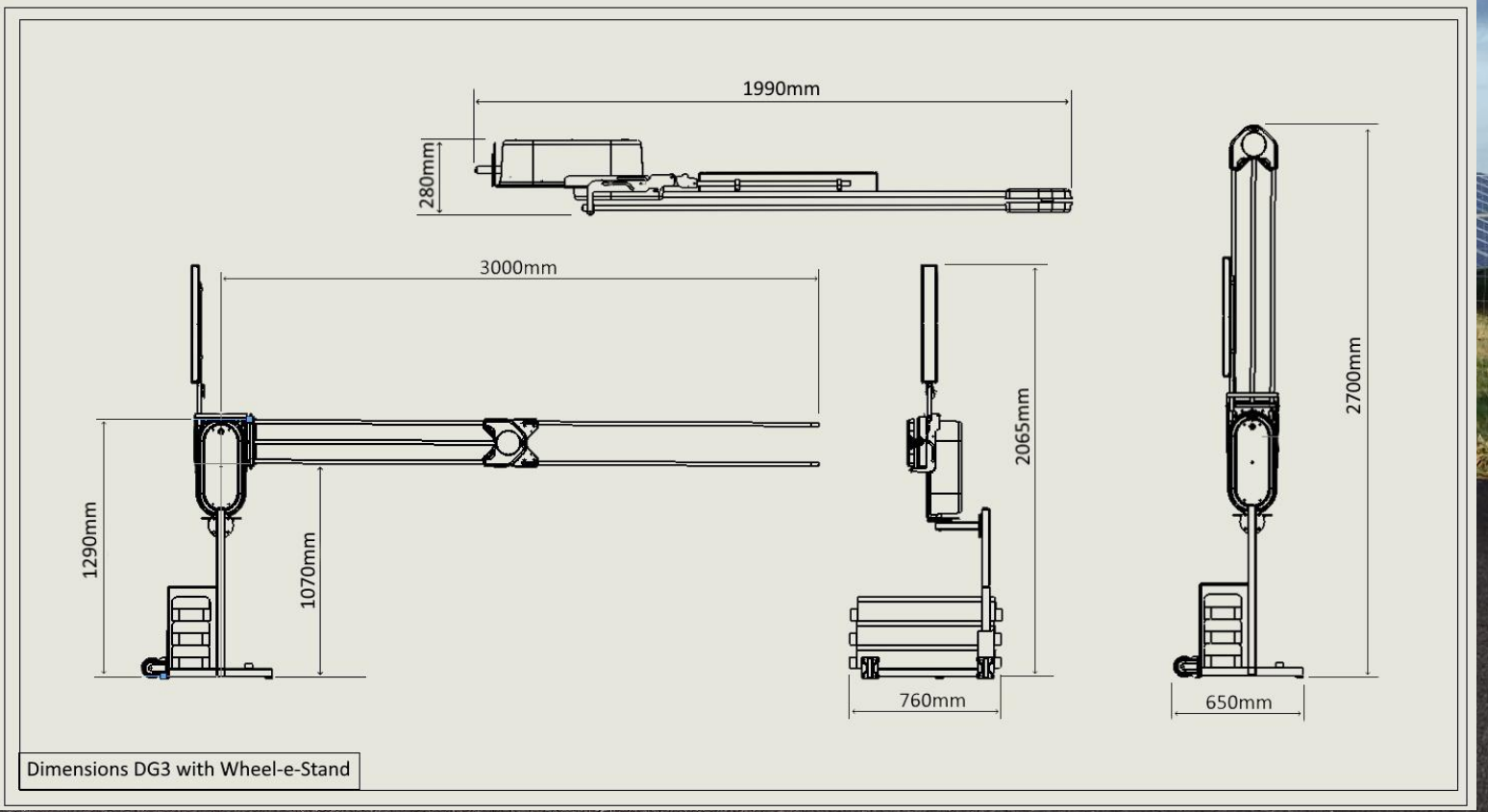
SPECIFICATION



Dimensions DG3 with Wheel-e-Stand

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SPECIFICATION

Material - Mild Steel, Stainless steel, Aluminium, Carbon Fibre, HIPS High Impact Polystyrene, Recycled Rubber, Sealed Bearings.

Weight and dimensions

DG30302 Weight without battery 23.1kg

DG30302 Weight with battery 25.5kg

Wheel-e-Stand Weight 11.1kg

Weight of single Herras Blocks (3 used) 19kg

Electrical

Battery type Sealed Lead Acid Absorbent Glass Mat.

Battery power (as supplied) 12 volt 9 Amp Hour

Solar Panel - Moncrystaline 36 cell - 7 Watt Max

Motor Board Inputs and Outputs

Operating Voltage 9V to 15V

Enclosure Potted IP67

Standby power consumption 4.2ma

Motor operating power consumption (peak) 2.8amps (for 4 seconds of lift)

Radio

Motor Board Transceiver Frequency & transmitter 433 MHz

Transmitter VCC 3V

Transmitter Channels (pairs) 3

Transmitter Range 110m

Operation

Barrier Duty Cycles 200,000 +

Battery Reserve (From fully charged no solar input) 3600 cycles

Battery reserve working days (av use no solar input) 26 days

Force

Max force applied:

Overload detection working 22N

Overload detection failed 49N

Breakaway resistance of clutch (1m) 30N to 75N (Adjustable)

Standards

EN 60204-1:2006+A1:2009+AC:2010 2006/42/EC, BS EN 12424:200, BS EN 12453:2001, BS EN 12978:2003+A1:2009, BS EN 12604:2000, BS EN 12425:2000. , BS EN 12978:2003+A1:2009., BS EN 12453:2001

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