



Dofygate DG3 Specification

DG3 barrier plus Wheel-e-Stand

Manfacturer Dofygate Ltd

Materials - Mild Steel, Stainless steel, Aluminium, Carbon Fibre Boom, HIPS High Impact polystyrene, Recycled rubber, Sealed ball bearings, Electrical PCB and associated components

Weight and dimensions

DG30302 Weight without battery 23.1kg
DG30302 Weight with battery 25.5kg
Wheel-e-Stand Weight (NA to export) 11.1kg
Weight of single Herras Blocks (NA to export) 19kg

Electrical

Battery type Sealed Lead Acid Absorbent Glass Mat.

Battery power (as supplied) 12 volt 9 Amp Hour

Solar Panel Monocrystalline 36 cell - 7 Watt Max

Motor Control Board Inputs and Outputs

Operating Voltage 9V to 15V

Enclosure Potted IP67 Motor Control Unit Only

Standby Power Consumption 4.2ma

Motor Operating Power Consumption (peak) 2.8amps (for 4 seconds of lift)

Radio

Motor Board Transceiver Frequency &

433 MHz

transmitter

3

Transmitter Channels (pairs)

100m

Operation

Regular Use

Transmitter Range

Up to 65 cycles per day throughout the year*

*This could be up to 300 cycles per day in the Summer Months & 150 cycles per day Spring & Autumn, without the need to charge the battery. Please note that batteries can deteriorate over time and may still need replacing.

High Use

Up to 150 cycles per day without charging, aside from winter

months*

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*Charging may only be required in Winter months, 1-2 times per month. Barriers should operate unaided the rest of the year.

Very High Use

Up to 300 cycles per day, for at least 7 days, on battery alone - solar charging will extend the period before mains charging required*

*In summer months no charging will be needed but at other times is could be 1-2 times per month at this level of usage

Consider when comparing:

- 1) Our batteries are low cost & lightweight (2.5kg) 12 Volt Output that are easy to replace with a fully charged replacement. A charger & spare battery are provided in our maintenance pack.
- 2) Our barrier can be loaded by hand without the use of a forklift and transported by van if needed
- 3) If the barrier is set to continually cycle from a new battery until stopped it will complete 3000+ cycles

If our Standard Performance is not what you require, please let us know, as additional batteries & solar panels can be added as needed to

match your requirements.

Force

Max force applied to obstruction

Overload Detection Working 22N
Overload Detection Failed 49N

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

Standards

EN ISO 12100:2100, 2006/42/EC, EN 60204-1, BS EN 12453:2017, BS EN 12445:2001



Information is correct at time of production 28-02-2024. As part of our policy of continuous improvement, we reserve the right to alter product specification without notice.

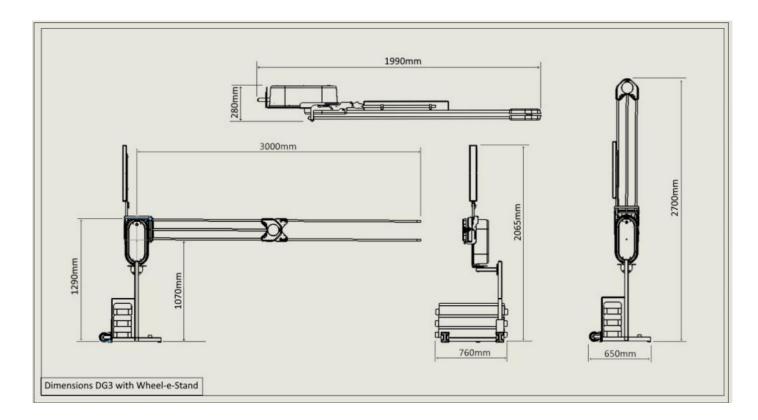
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