

## Dofygate DG3 Specification

### DG3 barrier plus Wheel-e-Stand

**Manufacturer** 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 & transmitter	433 MHz
Transmitter Channels (pairs)	3
Transmitter Range	100m

### Operation

**Regular Use** 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\*

*\*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 it 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

**Important**

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.

