

# Access Solar

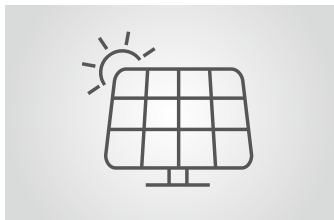
Solar-powered access barriers



## For access control independent of electricity networks

Access to grounds in the mountains, an employee car park in a nature reserve, entry to a construction material disposal site outside town: there are many situations in which an automatic barrier is a tried and tested method for controlling access. Installation, however, frequently founders because there is no access to a 230 V grid or because of the financial and organisational effort required to lay a supply cable. With Access Solar barriers, however, automated access control is now also possible independent of a power supply. The solar barriers from Magnetic obtain their energy via a photovoltaic panel set up

near the barriers where they can receive the maximum amount of sun. Mechanical adjustment on the mast allows alignment of the panel on the local solar altitude. This form of energy supply is suitable for less frequented applications with up to 500 opening and closing cycles per day. The long-lived lead acid batteries are integrated in the barrier housing and offer reliable operation even in the dark or in cloudy weather. Remote control or key switches are convenient methods for operating the solar barriers.



### Autonomous energy supply

The Access Pro-H Solar obtains its energy from a solar panel mounted on a mast and optimally aligned with the sun. This not only cuts electricity costs, but also enables autonomous operation far from electricity networks.



### Innovative drive technology

The MHTM™ drive unit is maintenance-free, energy-efficient and quiet. The high torque guarantees best possible operation even under extreme weather conditions.



### Legal security

All Magnetic barriers have a Declaration of Conformity in compliance with the Machinery Directive and a Declaration of Performance in line with the Construction Products Directive. Thus operators and those responsible for commissioning are always on the safe side in questions of liability.



### Easy access to components

Two simple steps: control systems and the drive unit are easily reached by removing the cover and front plate. This increases user-friendliness and accelerates commissioning and service.

ACCESS

PARKING

TOLL

TRAFFIC

# Access Solar

## Solar-powered access barriers

- > Autonomous energy supply via solar panel
- > More than 500 barrier cycles per day
- > High security with optional boom skirts
- > Legal security with Declarations of Conformity and Performance
- > Acclaimed design: German Design Award 2014 and Red Dot Design Award 2012
- > Designed for 10 million opening and closing actions



Technical data	Access Pro-H Solar
Lane width	Max. 6.0 m
Opening/closing time	4.0 s
Power consumption	Max. 25 W
Drive technology	MHTM™
Voltage	24 V DC
Number of opening/closing cycles	> 500 cycles per day
Housing dimensions (W x D x H)	315 x 360 x 1115 mm
Enclosure rating	IP 54
Temperature range	-15 to +50°C <sup>1</sup>
Weight (without batteries)	44 kg

Features	Access Pro-H Solar
Standard colour	RAL 2000
Barrier arm	MicroBoom
Control system	MGC Pro
Integrated 2-channel detector for induction loops	Standard
Modular expansion of control system	Radio module
Variable I/O assignment	Standard
No. of digital inputs	8
No. of relays/digital outputs	6/4
Input with test for safety light barrier/Laser scanner	Standard
Selectable closing speed	Standard
Selectable opening speed	Standard

Options	Access Pro-H Solar
Special colours	✓
Standard boom skirt <sup>2</sup>	✓
Boom skirt with climb-over prevention (height = 1.30 m) <sup>3</sup>	✓
Boom skirt with climb-over prevention (height = 1.80 m) <sup>4</sup>	✓
Pendulum support	✓
Support post	✓
Boom drop contact	✓
Key-operated switch	✓
Radio module	✓
Safety light barrier	✓

<sup>1</sup> Battery capacity is reduced at low temperatures

<sup>2</sup> max. 5.0 m/5.5 m lane width (PS/SP)

<sup>3</sup> max. 4.3 m/4.7 m lane width (PS/SP)

<sup>4</sup> max. 4.0 m/4.5 m lane width (PS/SP)

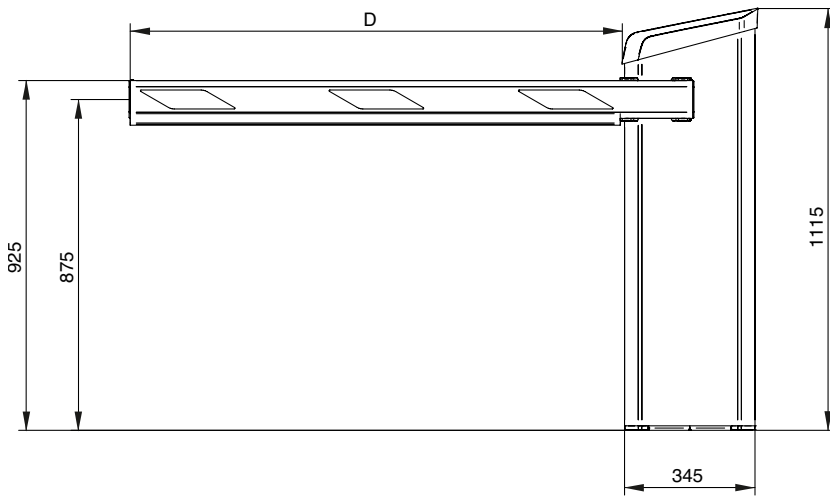
PS = Pendulum support, SP = Support post

### Standard colour

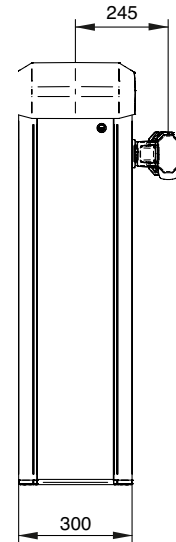


Orange  
(RAL 2000)

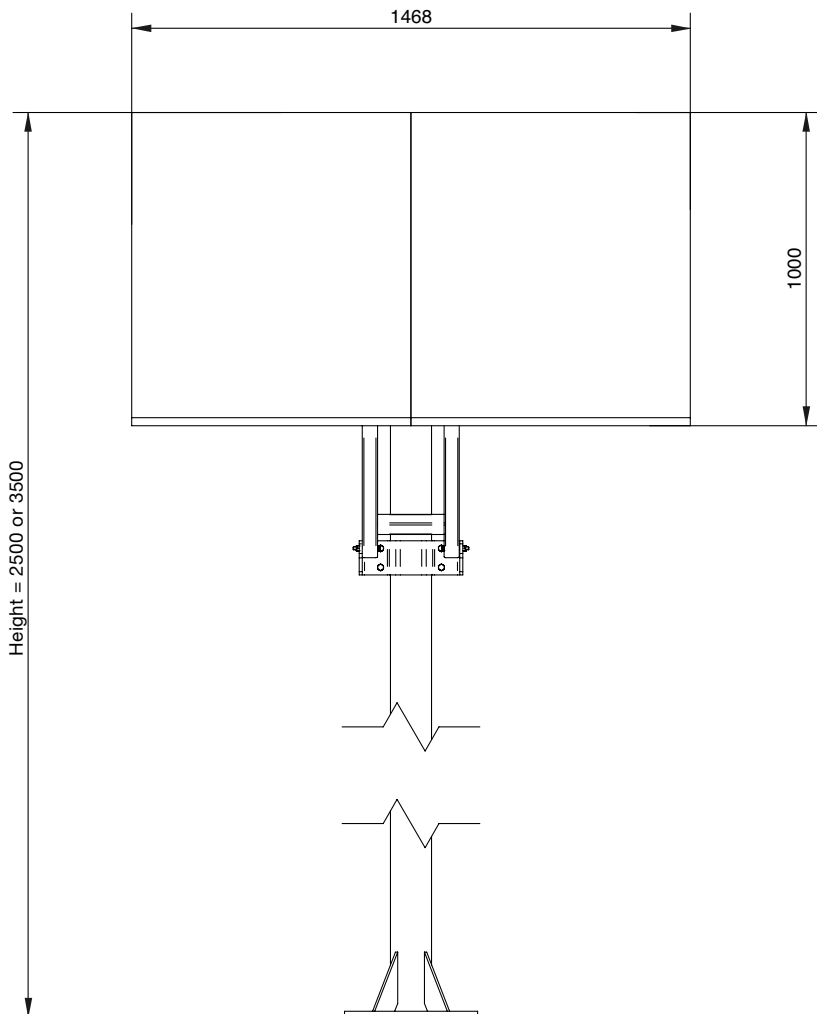
Access Pro-H Solar with MicroBoom, view from right



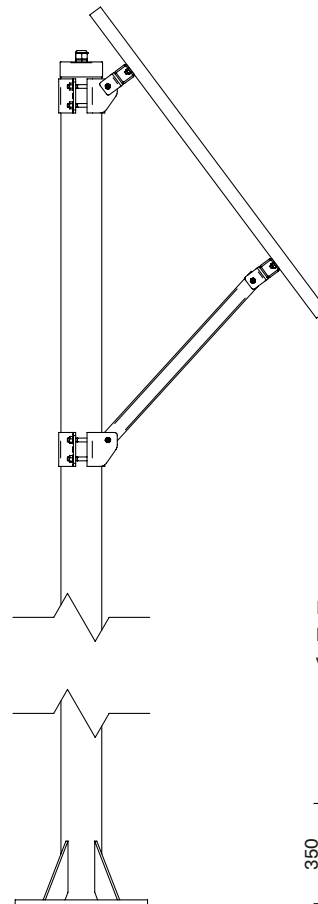
Front view



Mast and solar panel for power supply for Access Solar, front view



Side view



Mounting plate at lower end of the mast, view from above

Cable and plug for connection between panel and barrier housing are included in the delivery.  
A maximum distance of 10 m is permitted between the panel and the barrier.

# Access to Progress

Magnetic stands for pioneering products – in every way. Our access control systems for vehicles or pedestrians clear the way for thousands of people every day – at car parks, toll gates, stations, airports and in buildings. Our technology is also pioneering, however: with innovative drives, intelligent control systems and well thought-out details it provides maximum safety and longevity. Are you also on the path to Magnetic?



## Vehicle barriers

- Access barriers
- Parking barriers
- Toll barriers
- Special barriers



## Pedestrian gates

- Turnstiles
- Swing gates
- Tripod gates
- Retractable gates
- Wing gates



## Terminals

- Cars
- Trucks