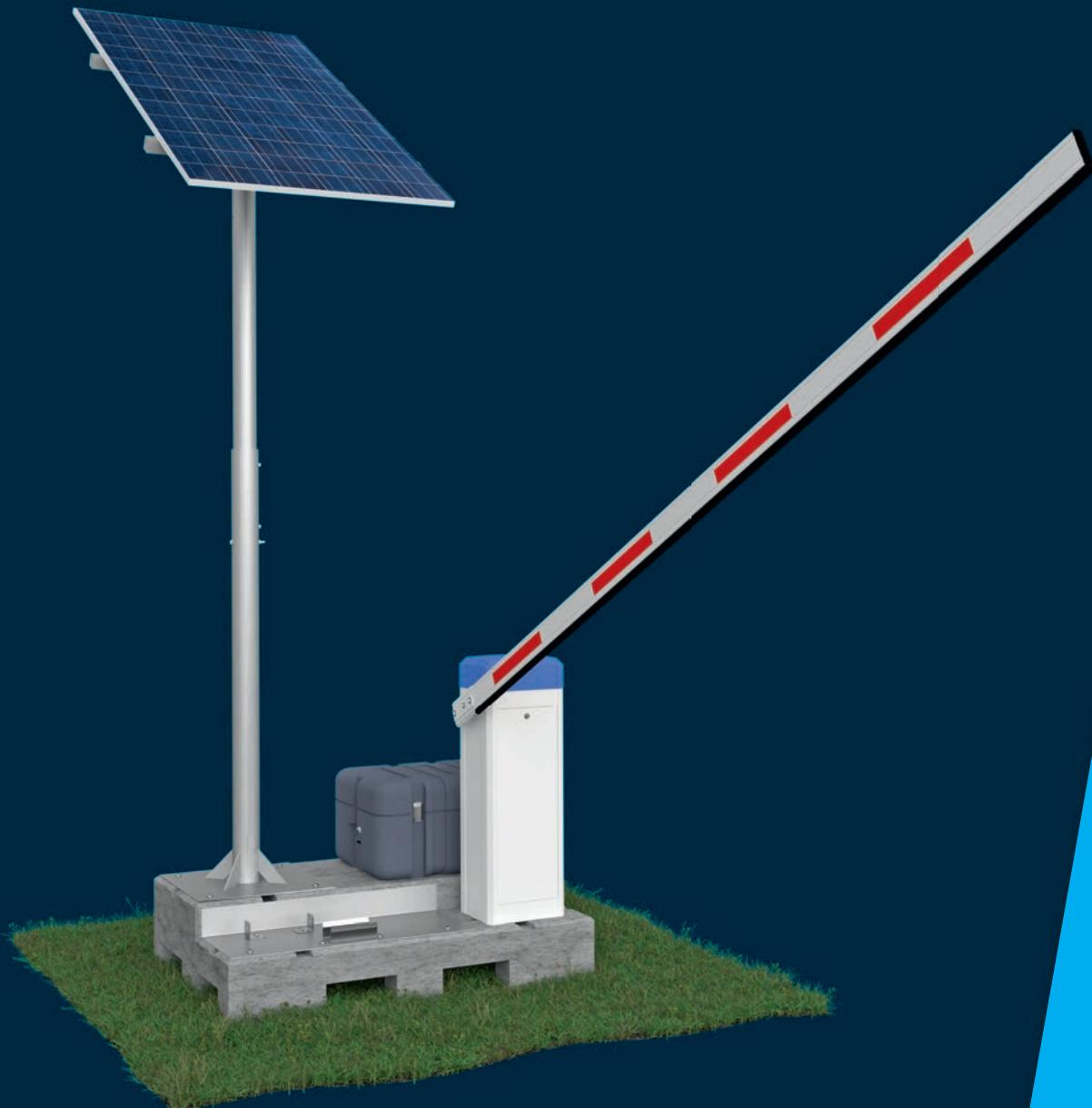


BARRIER SYSTEMS

SERIES SOLAR



Construction sites

Event locations

Car parks

ELKA

SOLAR BARRIER

designed for a completely mains independent use

ELKA solar barriers are available in two versions. **Mobile** - for temporary use at construction sites or event locations. **Stationary** - for long-term use at car parks or entrances without mains connection. Sophisticated technology and high-quality components ensure a long life cycle. With little solar radiation, the battery charge is sufficient for approx. 7 days with 500 cycles per day.



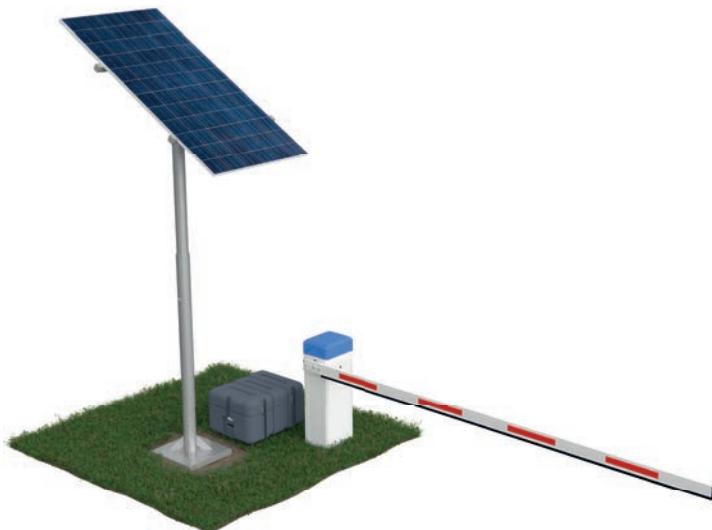
Independent power supply

Mains-independent operation via solar module and batteries



Operation without sunshine

Approx. 7 days with 500 cycles per day



MOBILE SOLAR BARRIER

Mobile, network-independent solar barrier for temporary access control at construction sites or event locations. The barrier is prepared ready for use ex factory - all components are loaded in a space-saving way on a mobile concrete foundation and can be easily and quickly assembled. If required, the batteries can be recharged via an optional battery charger before each use. On-site the barrier operates via solar module and long-lasting batteries.

STATIONARY SOLAR BARRIER

Mains-independent solar barrier for car parks or access roads without existing mains power connection. Solar module, outdoor battery box and solar barrier can be placed independently of each other. Thus, the solar module can be set up at a sunny place, while the barrier is installed on the shady driveway.

Standard installation:

Place the barrier and the battery box together and set up the solar module no further away than 6m.



TRANSPORT

All components can be easily loaded onto the mobile concrete foundation in just a few simple steps. The solar module, the retracted solar module stand and the divided barrier boom are fixed vertically. Ex factory the barrier and outdoor battery box are already bolted to the mobile concrete foundation.



MOBILE CONCRETE FOUNDATION, approx. 1,200x800mm

Made of high-quality concrete (used for bridge parapets), in Euro-pallet dimensions with sockets for fixing the barrier, solar module stand and outdoor battery box.



OUTDOOR BATTERY BOX WITH TWO BATTERIES, approx. 580x480x390mm

In the battery box, two batteries (12V each) - specially designed for solar operation - are connected in series with a mains voltage of 24V. In case of long lasting bad weather with less solar radiation, a barrier operation of approx. 7 days with 500 cycles per day is guaranteed. The lockable battery box is designed for the harshest weather conditions.



CHARGER 230V AC, RELATED DATA: 24V DC, 8A (OPTIONAL)

High-quality charger with an efficiency of 94%. Adaptive 6-stage charging algorithm: The battery charging process adapts to the type of barrier use via microprocessor-controlled battery management. After the batteries are fully charged, the power consumption drops to a value less than 0.5W.



SOLAR MODULE AND SOLAR CHARGE CONTROLLER

The high-efficiently 72-cell solar module has an output of 195Wp. The 2,500mm high solar module stand is made of galvanized steel and is bolted to a mobile or on-site foundation. The solar module recharges the long-life batteries (with depth discharge protection). Fully encapsulated, the solar charge controller (delivered with the solar barrier) withstands all weather- and environmental conditions.

SOLAR BARRIER	
Model	P 3700S
Barrier controller	MO 24 solar
Max. boom length (mm)	3,700
Max. effective boom length (mm)	3,480
Running time approx. (s)	3.8 / 4.5 / 5.5
Duty cycle	100%
Boom connector	left / right usable
Boom dimensions H/W (mm)	100x50
Power reversal	selectable

SOLAR BARRIER	
Temperature range	-15°C to +50°C <small> ⓘ Reduced capacity of the battery while operating at deeper temperatures.</small>
IP degree of protection	IP54
Standard colours	Hood RAL 5012 (blue), bottom part RAL 9010 (white), Custom colours optional

ⓘ Reduced capacity of the battery while operating at deeper temperatures.

MOBILE SOLAR BARRIER	
Total weight approx.	625kg
Transport dimension LxWxH (mm) approx.	1,200x800x2,150



We reserve the right to make technical alterations without prior notification.