

Parking Barrier



Product Description

ESF Parking Barrier is a smartphone-controlled parking barrier that protects the parking space from unauthorized usage while providing reliable control and efficient parking management. Compared to the traditional parking barriers, it offers many innovative features and possibilities, including automation.

Features

- Smartphone controlled, operated via a free app (Android & iOS)
- Sharing a temporary digital key for visitors
- Auto-close option upon departure of the vehicle
- Vandal-proof design
- Rechargeable Li-ion batteries/constant supply (Dual power option)
- Modern solar panel for sustainable autonomy
- Sturdy steel material that withstands up to 9 tons of load
- Weather resistant
- Safety pin
- Possible manual control
- Easy and simple installation with the supplied fixings
- Customization
- Possibility of integration with other systems

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ISO 9001 : 2015
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Irish Security Industry Association

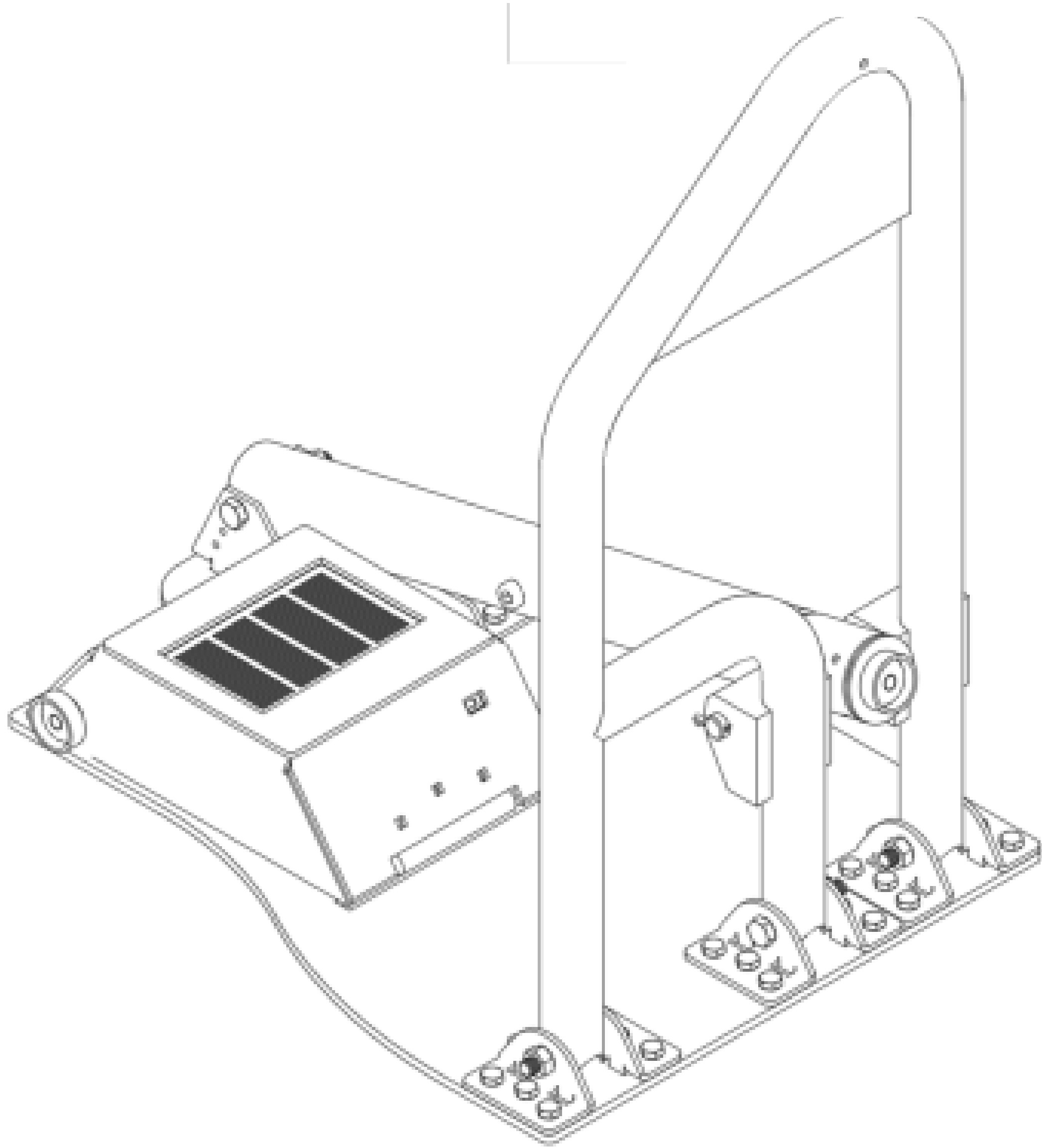
Environmental Street Furniture
Valley Business Centre
67 Church Road
Newtownabbey
Belfast, BT36 7LS



Company No. NI 615794

VAT GB 153402248

Parking Barrier



Automatic barrier with smartphone control feature

Automatic closing feature

Operating autonomy up to 1 year (rechargeable li-ion batteries)

Solar panel for extended autonomy

Manual control possibility

Constant power supply option (optional backup battery)

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Constructionline

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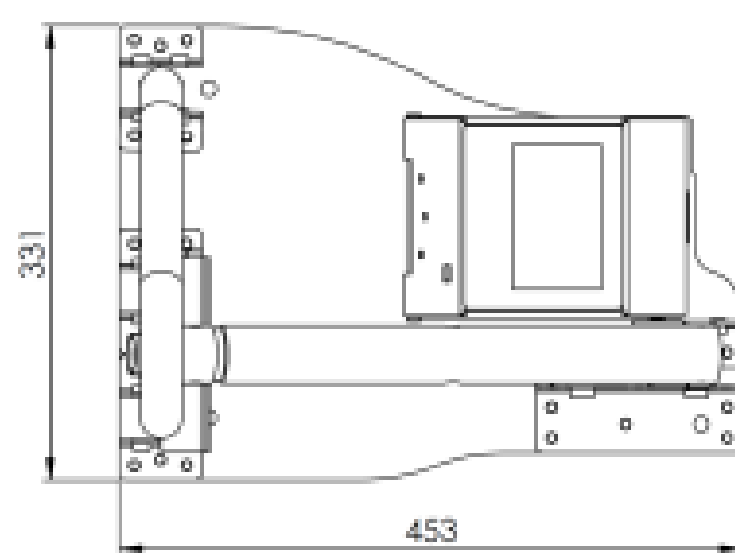
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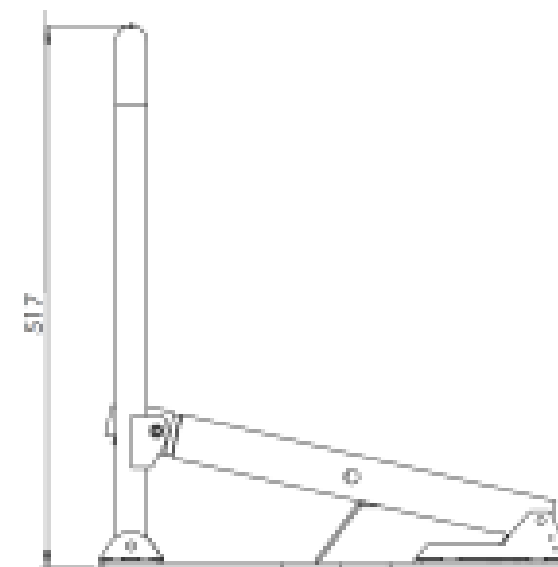
Parking Barrier

Dimensions (barrier opened):	918 mm x 331 mm x 70 mm
Dimensions (barrier closed):	453 mm x 331 mm x 517 mm
Weight:	15.2 kg
Working temperature:	-20 °C to 60 °C
Working humidity:	5 % to 95 % RH, non-condensing
Operating altitude:	2000 m
Ingress protection:	IP65
Nominal travel time:	<5 s
Power supply:	Parklio battery pack Parklio double battery pack AC/DC external low voltage power supply (constant supply)
Operating voltage:	6 Vdc – 11 Vdc
Current consumption (operation):	2 A continuous, 8 A peak current
Current consumption (standby):	100 uA average standby current
Wireless connectivity:	Bluetooth LE
Over-The-Air upgrades:	Yes
Antenna interface:	Internal 2.4 GHz antenna
Sensors:	One magnetic sensor and one Class 1 laser sensor for detecting vehicle presence
Protection and coatings:	Cold dip galvanized and lacquered, powder coated Stainless steel

Parklio Smart Parking Barrier technical data



Barrier Raised - Top View



Barrier Raised - Side View

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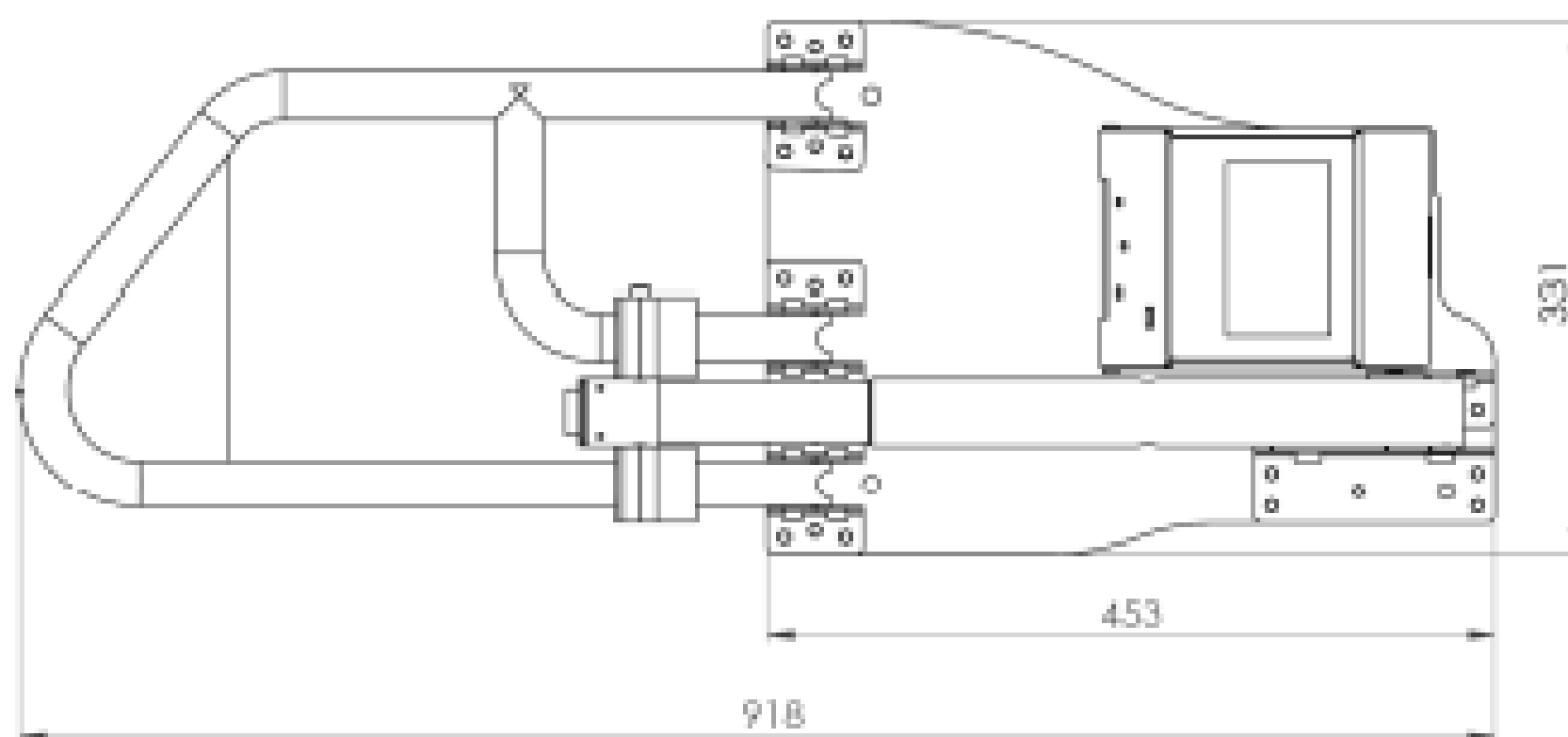
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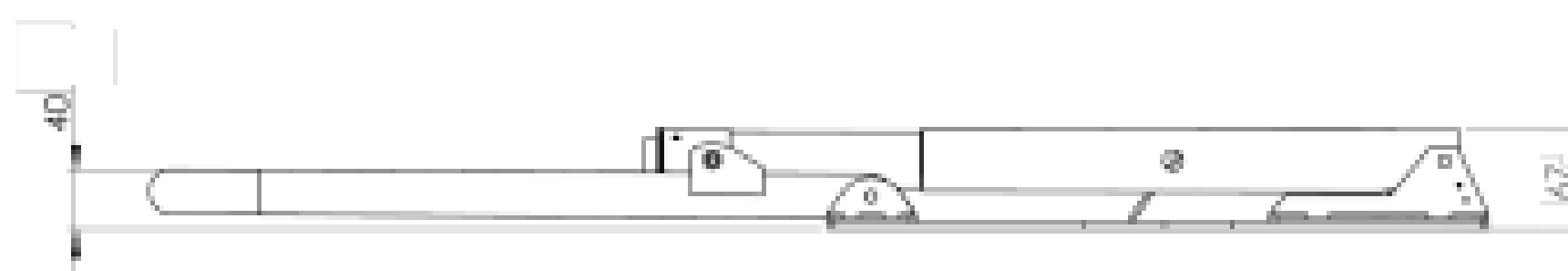
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Parking Barrier



Barrier Lowered - Top View



Barrier Lowered - Side View

Transmission power:	4 dBm
RF Power Accuracy:	±2.5 dB
Receiver sensitivity:	-96 dBm
Frequency range:	2402 MHz to 2480 MHz
Adv. interval:	211 ms

BLE radio performance

Nominal voltage:	7.4 V
Battery charging voltage:	8.4 V
Typ. capacity:	3200 mAh (single) / 6400 mAh (double)
Discharge temperature:	-20 °C to 60 °C
Charging temperature:	0 °C to 40 °C
Charger input voltage:	9V (single) / 12V (double)
Charging current:	700 mA (single) / 1500mA (double)
Protection:	Input short circuit protection Input reverse polarity protection Charging over-temperature protection Charging over-voltage protection Output over-current protection Output short-circuit protection

Battery pack specifications

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Input voltage:	85 Vac to 264 Vac
Input voltage frequency:	47 Hz to 63 Hz
Efficiency:	83 %
Input current:	1.2 A (115 Vac) 0.8A (230 Vac)
Inrush current:	30A (115 Vac) 60A (230 Vac)
Output voltage:	10.8 Vdc - 13.8 Vdc
Continuous output current:	4.5 A
Rated power:	54 W
No load power:	0.3 W
Output ripple voltage:	120 mVpp
Operational temperature:	-30 °C to 70 °C
Operational humidity:	20 % to 90 %, non-condensing
Operational altitude:	2000 m
Protection:	Over voltage Current limiting Overload Short circuit Overcurrent
Dimensions:	52.5 mm x 90 mm x 54.5 mm
Mounting:	DIN rail

External AC/DC Power supply specifications

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