

---

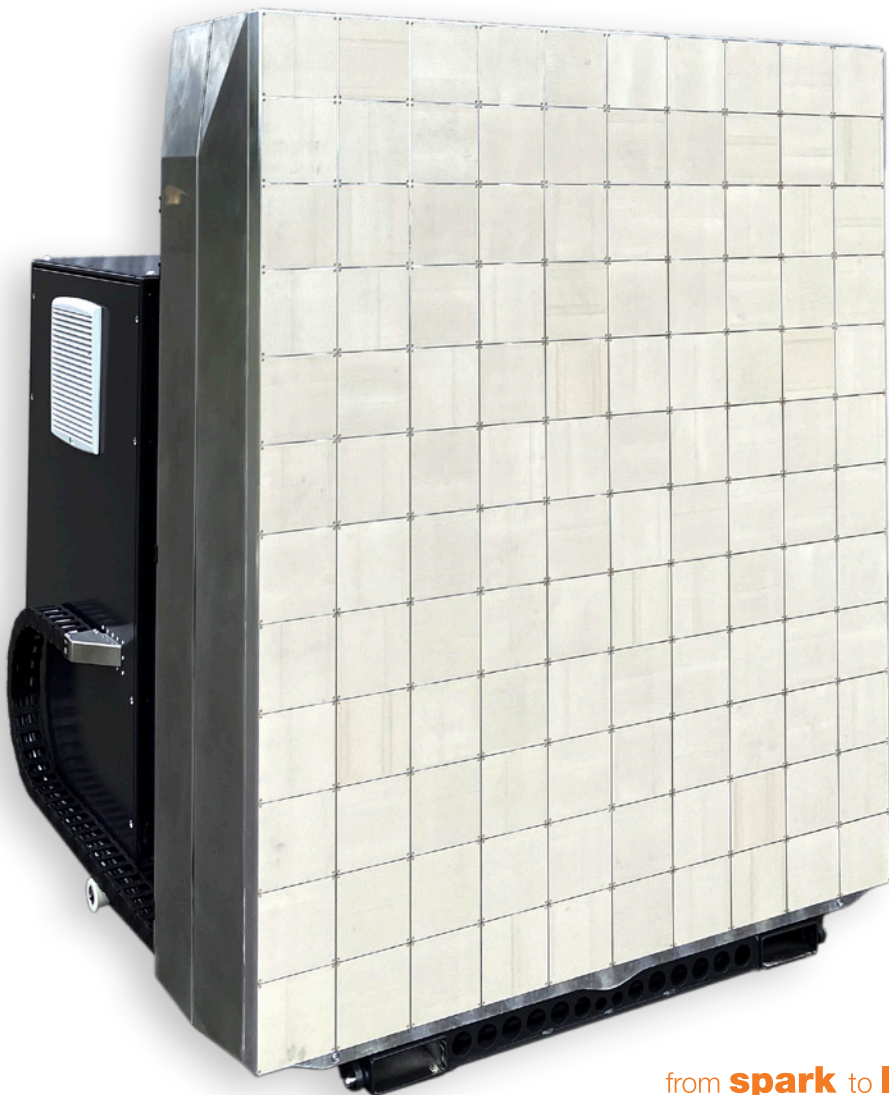
ITHPP

ALCEN

---

# ELECTROMAGNETIC VEHICLE BARRIER

Engine stopping by  
electromagnetic pulse  
system based on solid  
state amplifiers



from **spark** to **lightning**



## DATA SHEET

Dimensions (L x W x H)	1.7 × 0.8 × 0.7 m
Weight	It depends on the autonomy. Without battery: 450 kg
Remote control	Yes
Mains supply	400 V – 3 phases
Power supply battery	Autonomy depends on the stock of embarked battery. e.g: battery run time: around 1 hour Standby time: up to one week Rechargeable battery pack in 3 to 4 hours
Technology	GaN power amplifiers
Frequency	L Band
Power	Between 30 kW and 40 kW
Duty cycle	Up to 10%
Repetition frequency	Up to 2 kHz
Pulse width	20 μs – 500 μs
Antenna gain	Between 24 dB and 27 dB
Rear lobe	Inferior to 0 dB

With more than 20 years of existence, ITHPP has become the French leader in high-pulse power and high-power microwave technologies. Based on the customer's speci-

**ITHPP**  
ALCEN

cations, ITHPP designs and manufactures highly innovative adapted systems related to these technologies for scientific research as well as civil and military applications.



### ALCEN

6 rue Paul Baudry  
75008 Paris – France  
Tel. + 33 (0)1 40 72 55 00  
alcen@alcen.com  
www.alcen.com

### ITHPP

Drèle  
46500 Thegra – France  
Tel. +33 (0)5 65 33 43 30  
contact@ithpp-alcen.com  
www.ithpp-alcen.com