

WARNING

Mobile LED-congestion warning system

Mobile, energy self-sufficient LED congestion warning system for early warning of traffic jam ends on motorways, federal roads and road works.

Product page with references and contact: www.ibomade.de/en/congestion-warning-system/

Technical data

FEATURE	VALUE
LED-display (pixels)	48x48, 48x80 or 64x96 pixels
Power supply	Photovoltaic module (380 watts) and battery unit with lithium-iron-phosphate batteries
Battery capacity / autonomy	several days fully self-sufficient
Battery change	not required
Communication	Control unit transmits data to the IBOMADE cloud; controlled via LVMS
Radar: objects / vehicle groups	about 130 objects, 8 vehicle groups
Radar: measuring range	around 220 m, up to 6 lanes
Radar: accuracy	± 1 km/h
Standards and approvals	Tripod pole: DIN EN 12767 (passive safety), developed in consideration of DIN EN 1991-1-4; LED modules: EN 12966-1:2005 + A1:2009
Foundation	Concrete foundations in several types for different wind loads
Area of application	Motorways, federal roads and road works

Frequently asked questions

How long does the system work without sunlight?

The battery storage is designed so that the system can operate fully self-sufficiently for several days – regardless of the position of the sun or the weather.

Does the battery have to be changed during operation?

No. The system is supplied self-sufficiently by a 380-watt photovoltaic module and a battery unit with lithium-iron-phosphate batteries; no battery change is needed.

How does the system detect a traffic jam?

A radar sensor records about 130 objects from eight vehicle groups simultaneously, over around 220 metres and up to six lanes, with an accuracy of ± 1 km/h.

How is it controlled remotely?

The control unit transmits the data to the IBOMADE cloud. Via the LVMS software, the system can be remotely controlled and monitored in real time.
