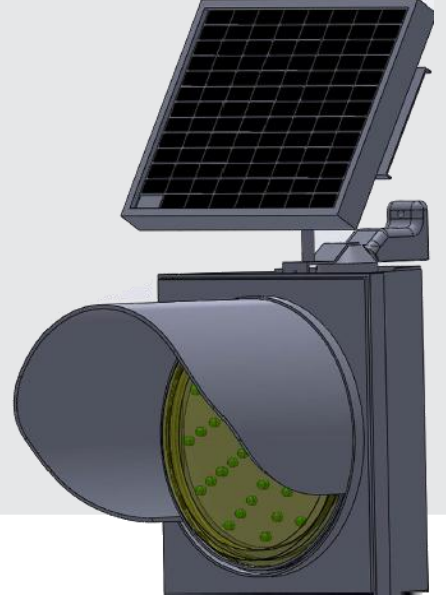


# PIVEX

## SOLAR TRAFIC SIGNAL



### PIVEX Solar LED Modules

PIVEX solar traffic products are designed for:

- Off-grid operation with integrated solar panel and battery
- Long lifetime in demanding outdoor environments
- High visibility at long viewing distances
- Minimal maintenance with sealed IP65 construction



### Solar Power & Energy Storage System

- Solar panel lifespan: >10 years
- Battery lifespan: >3 years
- After 8 hours of sun recharge, the system can work up to 72 hours
- Continuous discharge: ≥200 hours (flashers)

The optimized solar-battery combination guarantees autonomous operation even in periods of low sunlight..



### Installation and Maintenance

PIVEX products are designed for long-term outdoor operation:

- Robust housing with integrated solar panel mount
- IP65 protection degree for electronic parts
- Single Operating temperature: -25 °C to +65 °C
- Pole or structure mounting
- Long operating lifetime

The modular design allows quick installation and easy replacement of components.



Parameter	Specification	
General		
Product Series	PIVEX Solar Traffic Signal	
Application	Solar energized traffic products, warning flashers, and solar LED traffic signs	
Availability	300 mm & 200 mm solar flashers, 600 × 600 mm solar LED signs	
Models		
Family	Solar Flashers with LEDs	
Model	PEX-PV-01-300N	PEX-PV-01-300N
Diameter	Ø300 mm	Ø200 mm
Solar Panel	10–20 W single-crystalline silicon	10–20 W single-crystalline silicon
Storage Battery	12 V / 7 Ah	12 V / 7 Ah
Solar Panel Lifespan	>10 years	>10 years
Battery Lifespan	>3 years	>3 years
View Distance	≥1000 m	≥1000 m
Controller	Optically controlled (automatic)	Optically controlled (automatic)
Working Time	operation up to 72 h	operation up to 72 h
Continuous Discharge	≥200 h	≥200 h
Working Environment	–25 °C to +65 °C	–25 °C to +65 °C
Protection Class	IP65	IP65
Family	Solar LED traffic/warning sign	
Model	PEX-PV-02-SLN-XX	
Diameter	600 × 600 × 100 mm	
Solar Panel	10–20 W single-crystalline silicon	
Storage Battery	12 V / 7 Ah	
Solar Panel Lifespan	>10 years	
Battery Lifespan	>3 years	
View Distance	≥300 m	
Working Time	operation up to 72 h	
Continuous Discharge	IP65	
Typical Applications	Warning, speed limit, and prohibition signs with integrated solar power	

