



OVERSEA LIGHTING
LED LIGHTING & POLE MANUFACTURER
S I N C E — 1 9 9 3

SOLAR RADAR SPEED SIGN SYSTEM

SMART SPEED AWARENESS FOR SAFER ROADS

A solar-powered intelligent speed awareness system designed to provide real-time speed feedback and visual warnings to road users. The system combines 24 GHz radar detection, LED speed display, overspeed warning and solar power to support safer driving behaviour in locations where speed awareness is important.

**SLOWER
DRIVING SAFER
TOMORROW**



SOLAR POWERED

Sustainable & Energy-Efficient



RADAR DETECTION

Up to 200 m Detection Range



REAL-TIME LED DISPLAY

High Visibility Day & Night



BLUETOOTH APP

Easy Configuration & Data Export



OVERSPEED ALERT

Flashing Light Visual Warning



3-5 DAYS BACKUP

Reliable Operation During Rainy Weather



JK-RSA02

NUMERIC LED DISPLAY

- ④ Clear numeric speed indication
- ☀ Green for normal speed / Red for overspeed
- 📡 High visibility up to 200 m
- 📡 Reliable 24 GHz radar sensor
- ☀ Solar-powered, suitable for off-grid locations



Normal Speed



Overspeed



JK-RSA04

FULL-MATRIX LED DISPLAY

- ④ Display text, graphics, icons & speed
- ☀ Custom message (e.g. THANK YOU, SLOW DOWN)
- 📡 Full-matrix P4 LED display
- 📡 High visibility up to 200 m
- 📡 Reliable 24 GHz radar sensor
- ☀ Solar-powered, suitable for off-grid locations



APPLICATIONS



Schools & Educational Areas



Residential Areas



Roads & Highways



Industrial Zones



Municipal & Public Areas

SAFER SPEEDS . SAFER ROADS . SAFER COMMUNITIES .



JK-RSA02

NUMERIC LED DISPLAY

SPECIFICATION	DETAILS
Sign Body	740 × 1600 × 70 mm
Material	Galvanized Steel
Protection	IP53
Operating Temperature	-40°C to +85°C
Installation	Pole Mounted

LED SPEED DISPLAY

Display Type	LED Lamp Bead Display
Display Content	Numeric speed indication
Display Size	600 × 400 mm
Maximum Display	99 km/h or mph
Visible Distance	≥ 200 m
Detection Distance	Up to 200 m
Overspeed Alert	Flashing Light

RADAR SENSOR

Frequency	24 GHz ISM Band
Detection Range	Up to 200 m
Speed Range	1–250 km/h
Measurement Accuracy	≤ ±1 km/h
Antenna Angle	30° × 16°
EIRP Output	20 dBm

SOLAR POWER SYSTEM

Solar Panel	18V / 80W
Battery	Lithium Battery, 12.8V 30AH
Working Duration	Approx. 3–5 days (During continuous rainy weather)
Power Consumption	Typical 55 mA @ 12V

COMMUNICATION & CONTROL

Configuration	Bluetooth APP
Communication	TTL / RS485
Protocols	CFK / GS / Modbus
Data	Radar speed records exportable via APP

*Working duration is subject to site traffic flow and operating conditions.

DETAIL OF SIGNAGE



JK-RSA04

FULL-MATRIX LED DISPLAY

SPECIFICATION	DETAILS
Sign Body	700 × 1400 × 130 mm
Material	Galvanized Steel
Protection	IP53
Operating Temperature	-40°C to +85°C
Installation	Pole Mounted

LED SPEED DISPLAY

Display Type	LED Lamp Bead Display
Display Content	Graphics Icon, Speed & Text
Display Size	600 × 400 mm
LED Module	P4
Visible Distance	≥ 200 m
Detection Distance	Up to 200 m
Overspeed Alert	Flashing Light

RADAR SENSOR

Frequency	24 GHz ISM Band
Detection Range	Up to 200 m
Speed Range	1–250 km/h
Measurement Accuracy	≤ ±1 km/h
Antenna Angle	30° × 16°
EIRP Output	20 dBm

SOLAR POWER SYSTEM

Solar Panel	18V / 120W
Battery	Lithium Battery, 12.8V 60AH
Working Duration	Approx. 3–5 days (During continuous rainy weather)
Power Consumption	Typical 55 mA @ 12V

COMMUNICATION & CONTROL

Configuration	Bluetooth APP
Communication	TTL / RS485
Protocols	CFK / GS / Modbus
Data	Radar speed records exportable via APP

SIGNAGE DIMENSIONS

