

The Solar Road Studs, powered by energy from the sun, provides a clear, visible traffic guidance round – the- year. These studs function automatically, from dusk to dawn and do not rely on reflected light from vehicle headlights. In effect, proving to be much better option than conventional road studs that provide visibility only up to where the head beam of the vehicle can reach, that too, in a straight line upto approx. 90 meters, giving the driver a reaction time of only 3-4 seconds. Whereas, these Solar Studs provide a visibility of up to 1000 meters, even on curving roads, without the help of the headlights. This gives the drivers more than 30 seconds to react and avoid accidents.



HEAVY DUTY ALUMINIUM MADE HIGH QUALITY SOLAR ROAD STUD

We can provide the right solar road stud according to your needs, several models for several uses. The brightest and most durable solar road stud available, **6 SUPER LEDS & the longest lifespan**. LATEST TECHNOLOGY SOLAR system with intelligent Controller, Requires Low Maintenance.

Solar road studs are applied at below places:

- Around toll booth lane of bridges and tunnels.
- On both side of the roads in heavy fog areas as traffic guidance.
- As warning lights for centreline, double yellow lines, stop lines...
- In airports, highways...

1. Unique with 6 SUPERBRIGHT LEDS
2. Highly efficient solar panel Solar PV Module made of high efficiency Crystalline Silicon PV cells
3. Ultra Bright LEDs having luminous intensity approx. 6300 mcd. (23 viewing angle). All LEDs covered with the Poly Carbonate covers on the sides. 2 or 3 LEDs on one tapering side for Uni-Directional Solar Studs and on two opposite tapering sides of Bi-Directional Solar Studs High intensity reflective grade polymer sticker with back , adhesive for additional passive reflection of head light fixed around the LED area.
4. Up to 7 days continuous working after full charge.
5. Built in battery NI-MH rechargeable batteries, free maintenance. Super capacitor also available.
6. Light control: Automatically starts lighting during night or bad weather
7. Energy saving: Energy from sunshine, no additional energy is needed.
8. Strong: Aluminium Alloy Shell. auto-light control, and continuous working under cloudy and rainy time
9. Visibility >1000 Meters at clear night conditions (Straight Line) Waterproof and weatherproof
10. Light sensor permitting automatically ON/OFF
11. Steady on or flashing light available.
12. Automatic Dusk to Dawn Solar Switching.
13. Top cover made of clear, transparent, anti-static Poly Carbonate material
14. Completely Water-proof – tested as per IP 68 for resistance to water ingress.
15. Resist compression: 30T



**ZERO ENERGY COST
NO MAINTENANCE
100% AUTOMATIC
LIGHT SENSOR**





These are unique road safety devices, which provide clearly visible traffic guidance in all weather conditions. Our solar studs are easy to install, rugged in built and compact in size. The product incorporates flashing LED's and is ideal for usages on curbs, bends, crossings, drive-ways & porches. Our solar panel is specially designed to tap maximum amounts of solar energy and convert it into electrical energy. We use superior quality rechargeable batteries, which are very durable and built-in controller for superior automatic performance.



Our Solar Road Stud provides clearly visible traffic guidance in all weather conditions. After being energized by the sun, the Solar Road Stud automatically starts to flash when night falls or with the onset of inclement weather. The bright yellow flashing LEDs are highly effective at getting the attention of drivers - **much earlier than conventional road studs. This advanced warning gives drivers more time to avoid or navigate danger zones.** The Solar Road Stud can be used to mark traffic hazards such as median strips, provide toll booth lane control at bridges and tunnels, and for traffic guidance on sharp corners in fog prone areas.

- Our experience shows that the solar Road Stud has a lifetime of over 10 years.
- LEDs light continuously for approximately 7 hours after one hour of sunlight. With a complete charge solar studs will flash up to 7-8 days (10 hours a day).
- Solar powered LED doesn't require external power sources.
- LEDs along with standard retro-reflective materials provide guidance at night and during inclement weather.
- Low maintenance (cleaning with standard road sweeper).
- Tough aluminium and stainless steel construction is resistant to the weather and traffic wear.

Best Use for

Roads and Highways Authorities, P.W.Ds, Police Department, Forest Department, Airport Authority, Ports & Docks, Municipalities/Block Development Officer (BDOs)/Panchayats, Defence, Border Roads Organization (BRO), Hill Councils, Builders, Construction Cos., Railways.

Versatile Applications

Highways and Expressways, Zebra Crossings, Speed Breakers, Check Points, Channelisers, Construction sites, Railroad Crossings, Guiding ships and warnings signs on sea sides, and remote islands, riverside roads near water ways and embankments. Farm Houses, Plantation Estates, Process Plants, refineries, Hotels, Hospitals, Holiday Resorts, Shopping Mall, Petrol Pumps.



<Alerts driver for pedestrians safety

Installation basic instructions Solar Road Stud:

Mark the points of installation

Recommended distances between studs:

- Approximately 5m for Roadways and freeways.
- Approximately 2m for dangerous entrances and exits.
- Approximately 0.5-2m for entrances and exits of hospitals, parking garages, etc.

Recommended installation: Fill up the drilling holes with a 2- component glue or selected fixing products) and install the stud into the adhesive paste and screw them

Attention! Make sure the glue has dried completely and the stud has settled before the lane is reopened to traffic. Available with blue, green, red, or yellow leds upon request



ROUND SOLAR ROAD STUD ATLR56

SQUARE SOLAR ROAD STUD ATLR56SQ

Other colours available upon request
2 or 3 leds per side
Led life span <100,000 hours
Optional: Remote control

