



PRODUCED IN THE UNITED STATES: 30" SOLAR POWERED FLASHING STOP SIGN

- LED Lighting Solutions is proud to announce the production of solar powered traffic stop signs in the United States, in line with the President's visionary infrastructure bill, Section 70912.6.B.ii which emphasizes the importance of sustainable and environmentally friendly solutions.
- This sign is composed of Bright Flashing LED lights, Reflective 3M material, Aluminum alloy board and Solar board, which is made to MUTCD (R1-1) specifications and can be seen from over 2500ft.
- These signs are used to warn drivers that there is a Stop Sign, and they should come to a complete stop. Many cities, companies, and industries use this at new and existing intersections.

PRODUCT APPLICATIONS

Our Solar LED Traffic Safety Signs can be used on streets, in parking lots and more. Since these are solar powered, they can be used anywhere there is sun light and a need to reduce speeding.

PRODUCT SPECIFICATIONS

TYPE: Produced in the United States: 30" Flashing Perimeter LED Stop Sign

PRODUCT CODE: US-R11XX-0030-DMG-RED-RLED

MUTCD CODE: R1-1

SOLAR CHARGING PANEL: 15W/18V

FLASH PATTERN: MUTCD Single Flash

BATTERY: Lithium battery 12V/7200mAH

WORKING MODE: 24/7 or Bluetooth controlled via 'TT Solar' Android App (Timer and Dimming Function)

SIGN MATERIAL: Diamond Grade Reflective Sheeting

VISIBLE DISTANCE: >2500 feet

WORKING TIME: After one full charge, 5-7 consecutive days

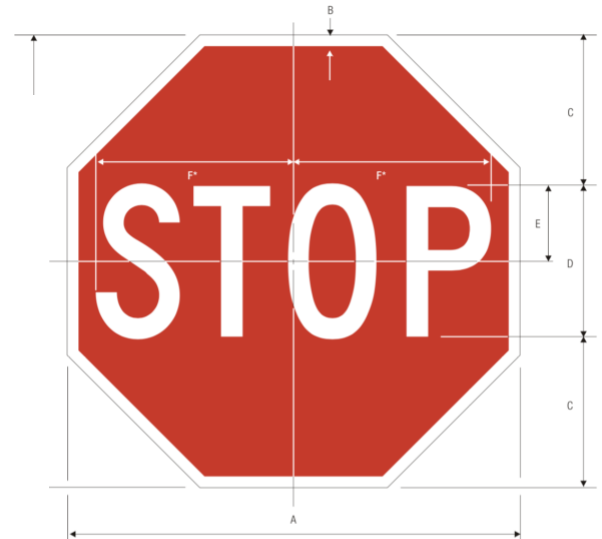
BATTERY LIFE SPAN: 3-5 Years

WARRANTY: 3 Year Full Warranty

DIMENSIONS:

- **SIGN:** 30-inch Diamond (30"x30")
- **CONTROL BOX:** 13.75" x 12" x 1.75"

STANDARD HARDWARE: FITS 3" to 4" DIAMETER POSTS



R1-1
STOP
*Reduce spacing 40%

A	B	C	D	E	F
18	.375	6	6 C	3	7.75
24	.625	8	8 C	4	10
30	.75	10	10 C	5	12.5
36	.875	12	12 C	6	15
48	1.25	16	16 C	8	20



INCLUDES:

- SIGN
- SOLAR PANEL + INTERNAL BATTERY BACKUP
- MOUNTING HARDWARE

DOES NOT INCLUDE POLE

FREQUENTLY ASKED QUESTIONS

Q: What is the difference between Engineer Grade and Diamond Grade?

A: Engineer Grade sheeting comes standard on the sign and uses glass beads or prismatic optical technology to reflect light. The Diamond Grade sheeting option offers superior reflectivity for short and long distances.

Q: Would any pole work with this sign?

A: We offer hardware that fits up to a 4" round pole for our Legacy series flashing signs. Our new slim line, Helios Series does not come with hardware, but BOTH styles are easy to install and compatible with any standard traffic post (Telspar, u-channel, round straight, etc.).

Q: Can the sign be AC powered?

A: Yes! It can be either AC or Solar with Solar power being our most popular and standard stock option.

Q: Where is the connector cord on the sign?

A: The connector cord comes out from the top/side of the sign unit.

Q: What is the operational expectancy for each sign series?

A: Both our sign series solar versions are expected to operate fully for 3-5 years (depending on environment and usage). The solar panel/control box then can be replaced to give the sign an additional 3-5 years working expectancy.

Q: Can I order a custom sign?

A: We offer custom signs on both our Legacy signs and Helios Series.

INSTALLATION:

Q: Do the solar panel/control boxes work immediately or do they have to charge up first?

A: Like all solar products, they are made with a rechargeable battery that will need to be laid in bright sunshine to obtain an initial charge before operation. Once the control box has been charged for 2 full sunny days, it can be activated for use with the traffic sign.

Q: Where is the solar panel mounted?

A: We recommend mounting it as high as you can on your signpost facing optimal sunlight and best distance to connect to the sign.

Q: How easy is it to hook up the solar powered signs?

A: Very easy! Our solar LED signs are designed to be “plug and play” with minimal set-up. After the solar control box has completed its initial charge, the sign and control box can be installed. Then the 2 cords connect and are good to operate from there.

OPERATION:

Q: Can this sign be turned on and off with an app or laptop?

A: Yes. We offer an app for Android users that can operate the sign’s solar control box via Bluetooth app with on/off functions, timer options and dimming options. It must be a device that supports APK files, and the user must be within 55ft to manage changes.

Q: Does the solar sign have an App for iPhone/iOS?

A: No, only Android/APK file compatible devices for now. We are in development for an iOS/iPhone app. The standard solar box that accompanies this product will operate 24/7 factory standard, and any adjustments can only be made with the Android (APK) app.

Q: Does the solar sign shut off in the daytime?

A: Standard operation for the solar Bluetooth control box will be 24 hours unless adjusted within the Android phone/tablet app.

Q: Can I program it to function at specific times or just come on after dark?

A: The functionality and operation times can be adjusted with the programmable timer via the free Android app.

Q: What flash pattern does the sign use?

A: The sign features a single-pulse flash pattern within the MUTCD frequency requirements of 50 to 60 flashes per minute to avoid epileptic issues and other optical issues.