

# 4 WAY SOLAR TRAFFIC LIGHT INTERSECTION

PRODUCT CODE: AED-ST-PK-1001-1  
BRAND: AED TECHNOLOGIES

## SOLAR TRAFFIC LIGHTS



### Product Description

The 4 way solar traffic light intersection is mostly applicable in “X-Junctions”. It uses the LED lights as they are more reliable and have more advantages over other lighting devices as they are more energy efficient, have a longer life span and turn on and turn off quickly. The 4 way solar traffic light contain enclosures which house the batteries and the control panel circuitry. Existing traffic lights can also be upgraded with an auxiliary power source using solar panels for use during power failures. The other parts in the solar traffic light include a charge controller to control the charging and discharging of the battery and a countdown timer which displays the amount of time left before the battery discharges fully.

### Product Features:

- The 4 way solar traffic light has a 2 day autonomy
- Has a long lasting operation time
- It is self-sufficient as it does not require external power sources.
- It is easy to setup and operate
- It has very little maintenance cost as they have no moving parts.

### Technical

Voltage: DC 12V;  
Diameter: 300mm;  
Lifetime:  $\geq 50,000$  hours;  
Intensity: Red  $\geq 550$ cd; Yellow  $\geq 550$ cd; Green  $\geq 1000$ cd;  
Wavelength: Red  $625 \pm 5$ nm; Yellow  $590 \pm 5$ nm;  
Green  $505 \pm 5$ nm; Visual Angle:  $30^\circ$ ;  
Working Temperature:  $-40^\circ\text{C} - + 80^\circ\text{C}$ ;  
Visual range:  $\geq 400$  meters;

### Includes

4 x UP Arrow LED Vehicle Traffic Light  
4 x RIGHT Arrow LED Vehicle Traffic Light  
4 x Countdown Timer LED Light  
4 x 150W Solar Panel  
4 x 150AH Maintenance Free Deep Cycle Battery  
4 x 10A MPPT Solar Charge Controller  
4 x Power Distribution, Battery and Controller  
Setup, Installation and Programming

### Ideal for

Streets  
Highways