



Features: -

- Low Power Consumption (less than 4W, 1/10th of incandesce lamp)
- Constant light output, even with variations in supply
- Low output degradation
- Even distribution of light
- High bright, focused and low power consumption LED's of Ever-light
- Automatic dusk to down switching (optional)
- Around 40 flashes per minute (as per user specifications)

SR. NO.	PARAMETER	SOLAR BLINKER PARTICULARS
01.	Model Number	EI-STBDN-3012p
02.	Display color	Full Amber / Full Red
03.	Working Hours	24 Hours (Day & Night)
04.	System Voltage	12V DC
05.	Solar PV Module	12 V / 30 Wp
06.	Battery	12.8 V / 12 Ah (inside Enclosure, not visible outside)
07.	Number of LEDs	180 (on FR4 grade PCB only)
08.	Power Consumption	4 watt max.
09.	Type of LEDs	5 mm crystal clear, Everlight (Taiwan) or equiv. make
10.	Aspect diameter	300 mm (as per NHAI norms, Certified)
11.	Dusk to Down Operation	Not required because it works for day and night
12.	LED viewing angle	30 degrees (more than NHAI norms of 23 degree)
13.	Lamp intensity (Center lux)	Greater than 330 cd (as per NHAI norms)
14.	Visibility	More than 500 meters (more NHAI norms of 200 meters)
15.	LED wave-length	Amber 590±5 nm & Red 625±5 nm
16.	Autonomy	3 – 4 Nights
17.	Charge Controller methodology	Three stage battery charge monitoring algorithm
18.	LED Driver efficiency	Greater than 90%
19.	LED driver methodology	Dual PWM dc-dc buck converter
20.	Ideal current consumption	Less than 2 mA
21.	Luminary Type	Polycarbonate (Certified)
22.	Ingress Protection	IP 65 (Certified)
23.	Temperature Tolerance of Enclosure	-10°C to +90°C
23.	Certifications / Report	Visibility (Prism / EQDC), Backup (NABL), ISO, IP 65, Mechanical Properties like Insulation Resistance and Electrical Strength etc.

Note: Without includes all the required accessories like solar panel clamp, blinker mounting clamp, hose clips, required bolts etc.

