

DESCRIPTION

A solar powered, vehicle activated, amber flashing device that provides enhanced visibility in all lighting conditions to approaching vehicles. Ideal for highlighting all road traffic signs & hazard zones available as single & double sided.

Featuring a low impact design solar panel, advanced technology batteries and a low energy LED light array, the EYECON STAR 1 is designed to operate all year round.

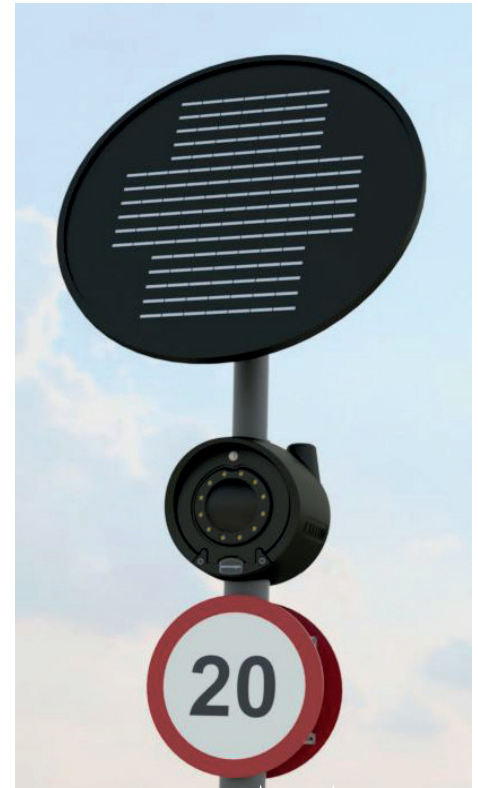
The EYECON STAR 1 is supplied complete with 76 or 89 post top mount or 114 offset, bracket together with PV panel, battery pack & solar regulator.

SOLAR ENGINE

Solar Panel	12V mono crystalline panel. Impact resistance IK10. PV Panel set at 22°. See table to the right for size/wattage. Rotationally moulded U.V. stabilised (UV8) black polyethylene moulding with galvanised steel support pillar powder coated black.
Battery	12V / 9Ah Absorbent Glass Matt (AGM) batteries mounted in the base compartment of the post or a separate battery box - see table to the right for quantities.
Regulator	High efficiency PWM regulator mounted with battery pack.
Protection	IP54 and IK10

EYECON STAR 1

EYECON	Ø 250mm x 250mm deep, black or grey, medium density polyethylene, rotationally moulded, U.V. stabilised (UV8), 3mm nominal wall thickness built onto a steel stem Ø 48mm and 3mm thick CHS tube with pre-treatment & black or grey Polyester powder coat.
Light Engine	Surface mount Amber LEDs with engineered narrow beam lenses that reduce unwanted side visibility & EYECON's integrated cowl reduces 'Sky Glow'.
Light Output	Daytime light output 14,000 cd/m ² , Nighttime light output 100 cd/m ² . Nighttime dynamic dimming between 1000 Lux to 0 Lux.
Flash Rate	0.75 seconds, 50% duty cycle, 3 flashes per trigger.
RADAR	Available as Short 70M & Long Range 200M for low <30mph and higher >30mph speed roads.
Activation	10 mph low / 90 mph High default activation setting - customer selectable in 10 mph increments via an easily accessible rotary switch. Customer specifiable minimum, maximum activation speed can be programmable at time of manufacture.
Protection	IP54 and IK08



PATENT APPLIED FOR

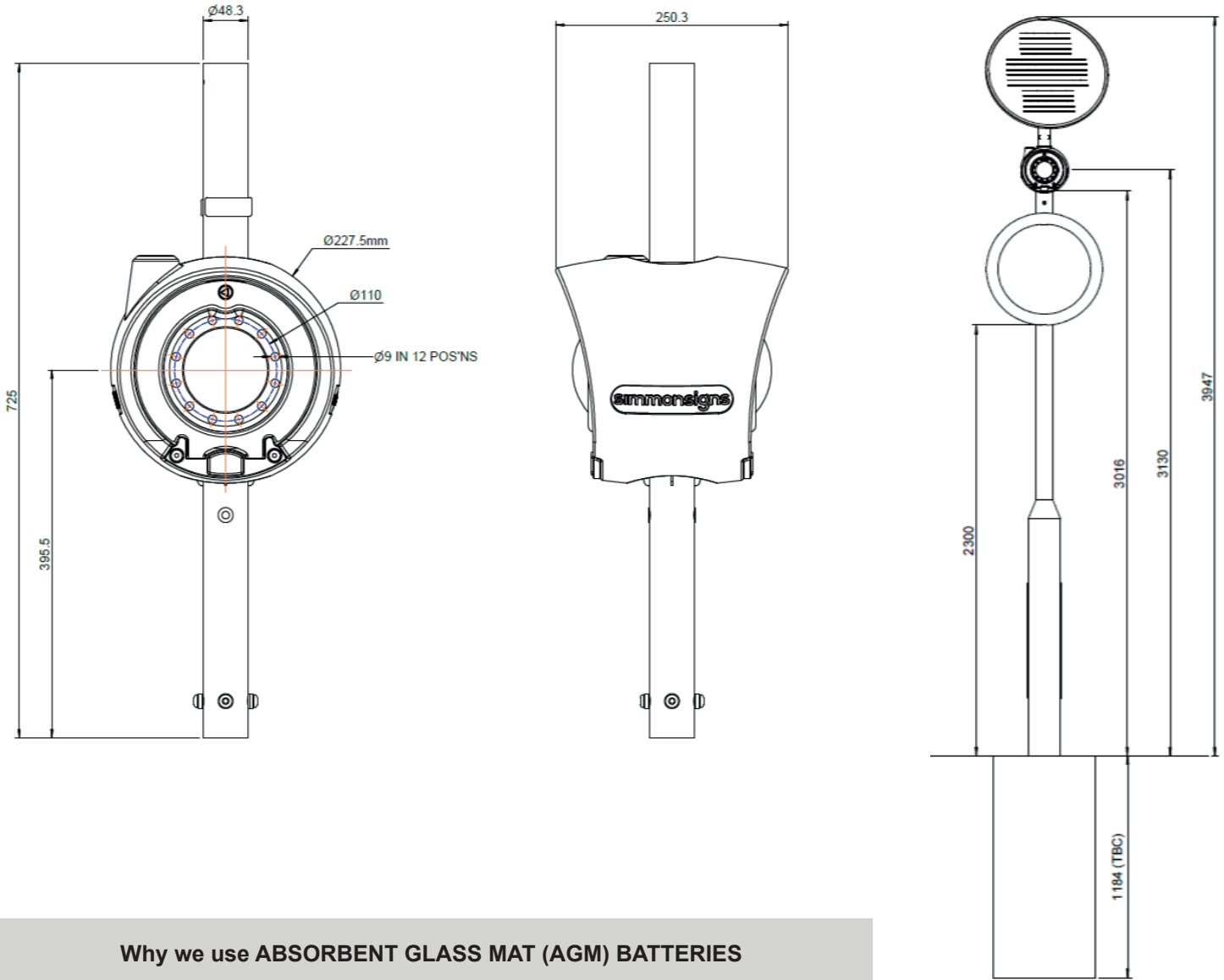
AUTONOMY

EYECON STAR I	PV Panel	Battery Pack	A*
Single Sided	30W Dia. 640mm	1 x 12V 18Ah	13
Double Sided	30W Dia. 640mm	1 x 12V 18Ah	11
Single Sided with Single Sided LUA	60W Dia. 750mm	2 x 12V 18Ah (36Ah)	12
Double sided with Double Sided LUA	100W Dia. 1M	3 x 12V 18Ah (54Ah)	10

A* = Autonomy in Days based on 4,000 triggers per day in December.

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DIMENSIONS



Why we use ABSORBENT GLASS MAT (AGM) BATTERIES

Comparison with other battery technology*

BATTERY	Lead Acid	Gel	AGM	Lithium	Ni-cad
Product Life span (Years)	2 - 3	2 - 4	8 - 12	5 - 6	4 - 5
Temperature Range	-18°C to 45°C	-18°C to 50°C	-40°C to 65°C	-20°C to 65°C	-20°C to 65°C
No. Discharge Cycles @80%	450	500	1500	1300	1100
Transportation Safety	Medium Risk	Low risk	No Risk	High Risk	Medium Risk

* Manufacturers data

Rooted Base

PACKING

Solar panel assembly	10 Kg
EYECON inc. Cable	5.2Kg
Battery pack/s	5.6Kg
Regulator assembly	

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