

EDGE Series

Solar Powered Bollard



- Sleek and compact design
- Controlled lighting to maximise luminous efficacy
- Extra low voltage allows for 'OFF GRID' Solar Power
- Easy and low-cost installation
- Robust construction with vandal resistant LED
- CREE LED technology for bright & crisp illumination with 10 years effective life



LiFePO4
Battery System



Powered
by AE3 & AE6



Shallow Trenching
Required



Controlled
Lighting

LEADSUN[®]
Off-Grid Intelligent Lighting Systems

LED Bollard Lighting

Designed and manufactured in Australia, Edge series bollard is engineered specifically for pathway lighting. Its sleek appearance is aesthetically pleasing blending into the environment with powder coating colour options. Easy to install with footing options available, the low voltage option only requires shallow trenching minimising disruption to landscape and environment. Mains powered option also available.



The Leadsun Advantage

Trusted by municipalities, government and commercial organisations, Leadsun's EDGE series is a new generation LED bollard that is designed for low level pathway lighting.

'EDGE' utilises highly efficient and quality CREE LED chips that provides maximum illumination whilst minimising power consumption. Locally manufactured, this creation will stand the test of time with a cutting edge design that will not date. Customisation enables project specific solutions to be created offering alternative bollard heights and PIR detection.

Controlled Lighting

The robust bollard design includes the angled LED lamp to be recessed into the bollard framework for additional protection without affecting the light distribution. The asymmetrical lense provides maximum illumination spread with a low ratio forward throw providing maximum pathway lighting performance.



Key Benefits

- Extra Low Voltage allows for ‘OFF GRID’ Solar Powered connectivity
- Easy and low cost installation compared to mains powered lighting systems
- Controlled lighting output, perfect for pathways and pedestrian access areas
- Robust construction with vandal resistant LED module recessed within bollard head
- Architectural & Aesthetically pleasing design with choice of powder coated colours
- CREE ‘LED’ technology provides ‘bright & crisp’ illumination with 10 years effective life

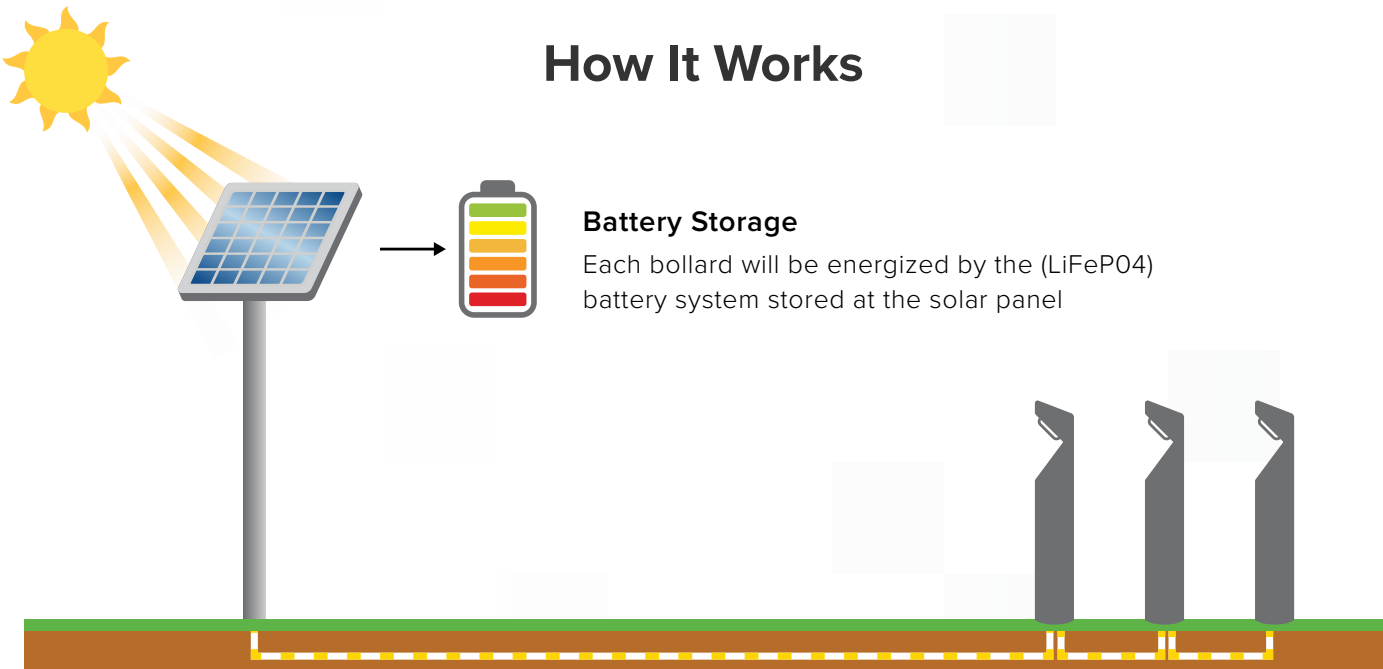
Installation

Installing the EDGE bollard is a breeze, the bollard has 3 sections that assemble together in 2 stages.

- Footing Post: Typically the bollard is installed within a 600mm deep concrete footing where the base section is levelled ‘plumb’ in readiness for the installation of the bollard post.
- Footing Base plate (alternative): For concrete fixing and chemset type installation.
- Bollard Post: Once the base section has been installed and the concrete has cured, the bollard post ‘sleeves’ over the base section and is fixed together by ‘theft proof’ screws.
- Bollard Head: The final piece of assembly is connecting the incoming 12VDC cabling directly to the internal controller.

Specifications

Mechanical		Electrical	
Part No:	EDGE12	Mains 240VAC PSU	90~305VAC
Material	Electroplated steel, Stainless Steel (optional)	Voltage Range	25.2W
Diameter	135mm	Rated Power	47~63Hz
Height	1.0-3.0m	Frequency Range Efficiency	85%
Weight	10-30kg	AC Current	0.25A / 230VAC
Warranty	5 years	Working Temp Working Humidity	35 ~ +70°C
IP Rating	IP67	Off Grid	20~95% RH non-condensing
IK Rating	IK08	DC Voltage	12VDC
Product Finish	Powder coating,	Rated Current	2.1A
Lighting		Rated Power	25.2W
Light Output	300-3000Lm	Overall Power @12V	
LED Type	‘CREE’ Asymmetrical Distribution (programmable)	1.5W LED	1.8W
		5W LED	5.18W
		10W	9.8W





All-In-One Solar Engine



AE6 Ultron

AE6S260W

- 260W Solar Module
 - 1484Wh/12.8V Battery
- Recommended 8 Bollards



AE3 Series

AE3S80N

- 80W Solar Module
 - 346Wh/12.8V Battery
- Recommended 2 Bollards

Bollard Footing Options

Post
(TP1)



Base Plate
(TP2)



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