



Suitable for Residential  
and Commercial use.

100% OFF GRID

# ASTRAL SOLAR LIGHTING COLUMN

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**SOLAR**  
**VISION**  
LIGHTING TECHNOLOGIES

100% OFF GRID

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## TECHNICAL SPECIFICATIONS

Light Head	5-6 meter	6-8 meter	8-10 meter
Rated Power	20W	30W	50W
Luminous Flux	3200lm	4800lm	6800lm
Luminous Efficiency	160	160	136
Colour Temperature	2700K - 4000K		
LED Type	Philips Lumileds		
CRI	>81		
IP Rating	IP67		
Material	Aluminium Die Casting		
Warranty	3 years		
Certificates	CE - ROHS - IP67 - IK - LM79 - LM82 - TM21 - FCC - CB - IECCE		

Column			
Rating	BS EN 40		
Material	Galvanised Steel		
Height	5-6 meter	6-8 meter	8-10 meter
Service Door	Yes		

Solar Charge	Q100	Q140	Q200
Structure	Aluminium Alloy		
Dimensions (mm)	228x200x1160	228x200x1560	228x200x2065
Pmax	100wp x2	140wp x2	200wp x2
Solar Cell Efficiency	21.20%		
Operating Temperature	-30°C - 70°C		
Lifetime	25 years		
Warranty	3 years		

Battery Pack	
Battery Type	Lithium Iron Phosphate - LiFePO4 (2000 Cycles)
Battery Capacity	12.8V 461WH 36AH / 12.8 921WH 72AH
Battery Lifetime	>4000 Cycles DOD 50% or >2000 Cycles at 100% DOD
Battery Autonomy	2-3 Days

Controller	
System	Programmable MPPT Controller / Hybrid / Wireless
Charge Mode	MPPT
System Voltage	12V
Efficiency	>98%
Setting Method	Remote Control / Remote Access
Fitted	Built-In
Operating Temperature	-40°C - 80°C
IP Rating	IP68
Lighting Nodes	100% continuous lighting / energy saving / customised



## PRODUCT INFORMATION

The flagship of our product range. Our ASTRAL Lighting Column is leading the market in solar street lighting. Operating all over the UK, the ASTRAL has become the UK's answer to a renewable solution for safe streets.

Our ASTRAL Lighting Column is equipped with advanced LED Optics and photovoltaic technology. The vertical design of the SOLAR WRAP® provides for minimal maintenance, reducing the need for cleaning, which maximises yields at all times.

The ASTRAL has the capability for remote access and can be monitored from afar to alter its settings depending on the client's preference.

ASTRAL like the rest of our product range can be installed using different methods such as; planted root (recommended), concrete pad or even a 2m ground screw. The ASTRAL can also be retrofitted to an existing column which is no longer in use, meaning we can turn your outdated street light into a fully self sustaining operational street light.



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