



LEADSUN

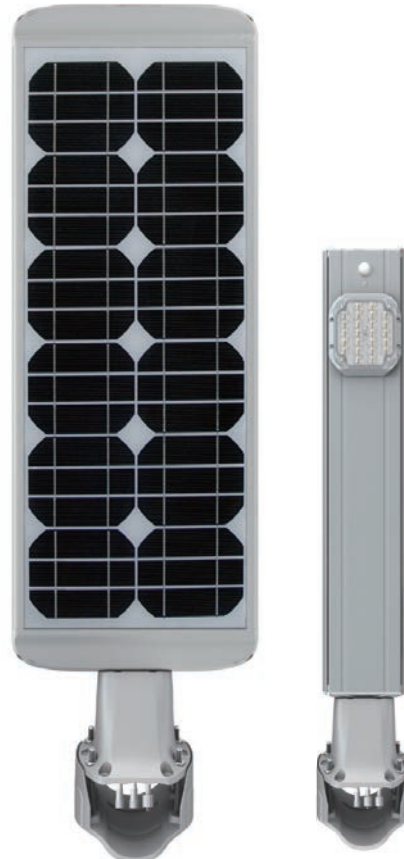
EST. 2005

AE2 Series Affordable lighting for smaller areas



All-In-One Model

For North facing panel only



Split Model

For all installations

Featuring 30W solar module power output with a battery capacity of 164Wh. The AE2 series is perfect for smaller lighting applications such as pedestrian pathways, building entrance & shelter areas. Mono-crystalline PV modules optimise solar energy capture and a Pulse-Width Modulation (PWM) smart-controller enables smooth and responsive dimming via activation of the built-in motion-sensor. Added to this, the pre-programmed LED power output enables the use of smaller solar panels and batteries whilst still providing ample light when required. The solar module integrates all the key electronic components including an innovative dual LiFePO4 lithium-ion battery system that withstands frequent charging & discharging cycles, delivering sustained and reliable power throughout the night. Best-in-class LED chips ensure bright and crisp illumination for up to 15 years.

This is a set-and-forget stand-alone solution.

Leadsun's AE2 series is wholly modular, making maintenance and upgrading quick, easy and affordable. Combine it with a lowerable pole, and installation becomes a two-man job done in a matter of minutes.



Lithium-Ion
Battery System



SMART
Controller



Monocrystalline
Solar Module



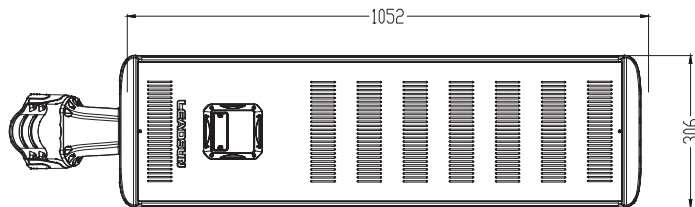
Advanced LED
Lighting System



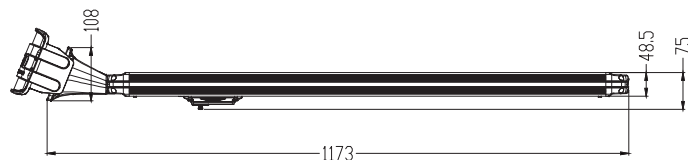
5 Year
Warranty

SOLAR ENGINE MODULE DIMENSIONS (mm)

30W solar module (AE2S30)

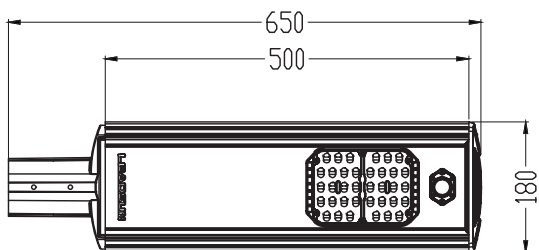


Bottom view



Side view

LED LIGHT HEAD DIMENSIONS (mm)



Bottom view



Side view

SOLAR ENGINE TECHNICAL DATA

Model No.	AE2S30
Physical Parameters	
Solar module power output (W)	30
Lithium battery capacity (Wh)	2 x 82Wh (164Wh)
Net weight of product (kg)	7.5
Product dimension (mm)	842(L) × 306(W) × 108(D)
Pole mounting diameter (mm)	60 – 90
System wind speed rating (kph)	178
Technical & Operating Parameters	
Battery voltage & cycle life	12.8Vdc / 3000 cycles
Battery charging temperature range	0°C–60°C
Battery discharging temperature range	-20°C–60°C
Controller type	PWM (Programmable via USB)
Wireless control & monitoring option	Not available
Photoelectric switch on/off level (lx)	30

LED LIGHTHEAD TECHNICAL DATA

Model No.	LSRM12-A2	LSRM12-B2
Physical Parameters		
Net weight of product (kg)	3.6	3.8
Dimension of product (mm)	680(L) × 128(W) × 74(D)	680(L) × 128(W) × 74(D)
Pole mounting diameter (mm)	60 – 90	60 – 90
Technical & Operating Parameters		
LED output (W)	5	10
LED colour temperature (K)	5000	5000
LED typical luminous flux (lm)	750	1500
Motion sensor type	Passive Infra Red	Passive Infra Red
LED distribution type	T3	T3