

KOLAR ENERGY PTY LTD

KE-R2

PRODUCT CATALOG

FEBRUARY



2025

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B-BBEE Level 1

1 Springbok Gardens
202 Moses Kotane Road
Overport, Durban



KE-R2 SOLAR STREETLIGHTS

30W-60W

Illuminate your surroundings with the KE-R2 Solar Streetlights, the perfect solution for enhancing security and visibility in a variety of settings. Designed for seamless integration into secure properties, construction sites, estates, mines, office complexes, and many more locations, these solar streetlights provide reliable and energy-efficient lighting. The KE-R2 combines cutting-edge solar technology with robust construction, ensuring optimal performance and durability in all environments.



SPECIFICATIONS

WATTAGE	30W	40W	60W
LED CHIPS	16 PCS CREE 5050	24 PCS CREE 5050	32 PCS CREE 5050
LUMENS PER WATT	170LM/W	175LM/W	175LM/W
MOUNTING HEIGHT	4-6M	6-8M	8-10M
MOUNTING SPACE	15-20M	20-25M	25-30M
COLOUR TEMPERATURE	3000-7000K	3000-7000K	3000-7000K
BATTERY	LIFEP04 192WH	LIFEP04 224WH	LIFEP04 320WH
SOLAR PANEL	50W MONO SILICON	60W MONO SILICON	70W MONO SILICON
CHARGING TIME	6 HOURS	6-7 HOURS	6-7 HOURS
BACK-UP DAYS	3-5 DAYS	3-5 DAYS	3-5 DAYS
POLE DIAMETER	60-70MM	60-70MM	60-70MM
MATERIAL	ALUMINIUM ALLOY	ALUMINIUM ALLOY	ALUMINIUM ALLOY
MODULE SIZE	697×351×209MM	846×361×209MM	1096×361×209MM
LIGHT SENSOR	YES	YES	YES
MOTION SENSOR	YES	YES	YES
WATERPROOF	IP65	IP65	IP65
WARRANTY	3 YEARS	3 YEARS	3 YEARS

The KE-R2 Solar Streetlights are engineered for diverse applications, ensuring superior performance across various environments. Each component of the KE-R2 meets the rigorous standards required for street lighting, guaranteeing reliability and longevity. Trust the KE-R2 Solar Streetlights for sustainable, high-performance lighting that meets industry standards and exceeds expectations.

WARRANTY

The warranty period for the KE-R2 solar street lighting system is three (3) years from the delivery date. During this period, Kolar Energy Pty Ltd warrants that the product will be free from defects in materials and workmanship under normal use and service conditions. For more details regarding the KE-R2 warranty, please email us. We use a project-based manufacturing process, therefore orders can take up to 8-10 weeks (2 months) to get delivered. Extended warranties are available.



SOLAR PANELS

The KE-R2 Solar Streetlights are equipped with 18V Monocrystalline silicon solar panels with a conversion efficiency of over 20% and a lifetime of 25 years, these panels are known for their high efficiency and superior performance. These panels offer several advantages over polycrystalline panels, including higher power output, greater efficiency in low-light conditions, and a longer lifespan. Monocrystalline panels are also more efficient in high-temperature environments, making them ideal for a wide range of applications. Using monocrystalline silicon, the KE-R2 ensures maximum energy absorption and reliable performance, even in challenging conditions.

LED CHIPS

The KE-R2 utilizes CREE 5050 LED chips, renowned for their exceptional quality and longevity. With a lifespan of up to 100,000 hours, these LED chips provide bright, consistent lighting while minimizing maintenance and replacement costs. CREE chips have a low voltage operation, therefore increasing their durability and longevity which has been proven to be almost double that of conventional lighting. Cree LEDs are also manufactured from environmentally safe non-poisonous materials. This advanced LED technology not only enhances illumination but also ensures energy efficiency and durability, making the KE-R2 a dependable choice for any outdoor lighting needs.

INTERGRATED MODULE DESIGN

The KE-R2 Solar Streetlights feature an integrated module design, which helps prevent the theft of components. The lighting components are housed in a high-class integrated die-casting aluminium alloy case with an IK08 impact protection rating. These modules have an adjustable angle and include a built-in motion sensor that automatically regulates the brightness of the lamp depending on the detection of movement. Additionally, the battery is totally hidden from sight, further enhancing security. The module also has an IP65 rating, the industrial standard for electrical and mechanical protection from dust, water, external damage, accidental contact, and more. This provides the lighting components with the essential protection from weather and environmental factors needed to comply with regulatory demands.



KOLAR ENERGY PTY LTD

Kolar Energy Pty Ltd is a new and dynamic company powered by the innovative spirit of South African youth. Our mission is rooted in the belief that solar streetlights should not be prohibitively expensive. We are dedicated to making sustainable street lighting accessible to all and driving South Africa towards a greener future. In line with this vision, for every 25 KE-R2 Solar Streetlights sold, we donate one light to the MS Foundation for Sustainable Energy. These donated lights are installed in rural communities, helping to improve safety and quality of life while promoting sustainable development. This initiative underscores our dedication to making a positive impact and fostering sustainable development in South Africa.

STARTING FROM R5900.00



2025 Opening SALE

Valid until 28th February 2025

Buy any **6** of our KE -
R2 solar lights and
receive **1** free 30W.



Test out our KE-R2 solar street lights that can be used in residential, estate, farm and many more settings.

Receive 10% OFF on your next order with us.*

KE-R2 30W - R5750 (excl VAT)

KE-R2 40W - R6550 (excl VAT)

KE-R2 60W - R7250 (excl VAT)

Order Confirmation upon a 70% deposit on quote price

***Only valid on orders over 12 units.**

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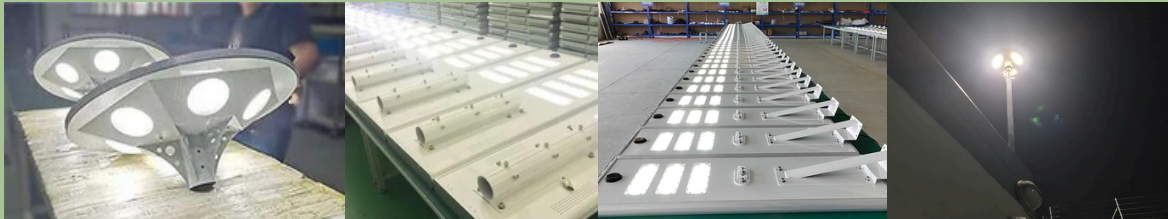
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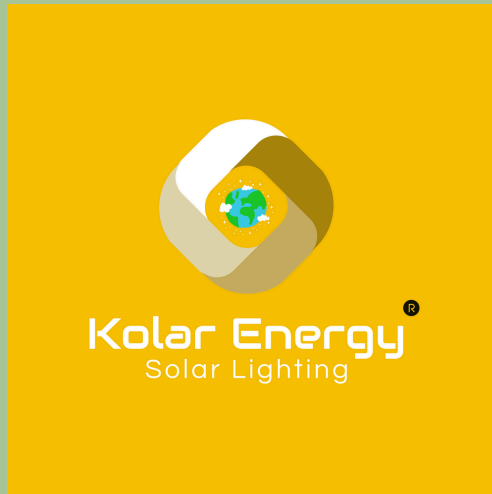


OUR OTHER PRODUCTS



In addition to our KE-R2 streetlights, we offer the KE-C3 lights, specifically designed for road use with power options up to 120W. This solar road light features all of its components fully integrated within a compact design, ensuring ease of installation and maintenance. We also provide the KE-G1 Solar UFO Light, which is perfect for gardens, parking lots, estates, walking paths, driveways, and many other applications.

Contact us to get prices and catalogues.



**"Solar street lights shouldn't be priced exorbitantly;
but should be built to withstand the elements."**



OUR WEBSITE

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