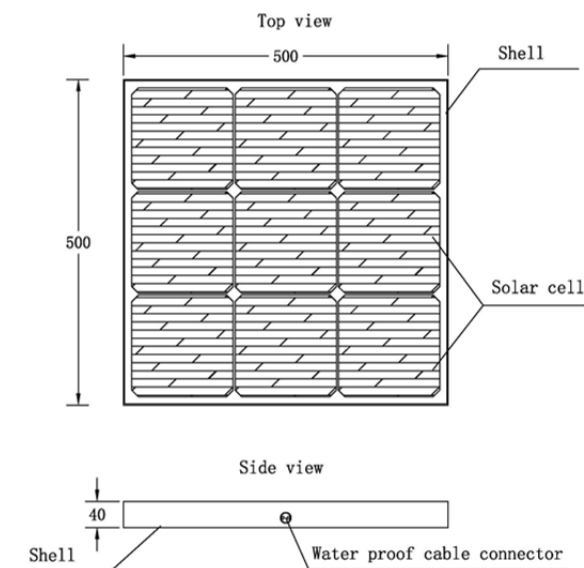


Product Specifications

Model No.	SRA5050-HK31
Solar Cell Type	Mono-crystalline
Solar Cell Efficiency	20%
Solar Cell Quantity	9
AR Coating	Yes
Dimensions	500*500*40mm
Module Weight	13kg
Module Type	Light-loaded Module
Applications	Sidewalk & Bicycle Lane



Electrical Characteristics (STC)

Maximum Power (Pmax/W)	31.5
Open Circuit Voltage (Voc/V)	5.4
Short Circuit Current (Isc/A)	7.5
Maximum Power Voltage (Vmp/V)	4.5
Maximum Power Current (Imp/A)	7.0
Module Efficiency (%)	12.6
Lifetime (Year)	10

Performance Guarantee: 95% in 5 years, 90% in 10 years, 80% in 25 years.

Mechanical Specifications

Solar Cell connection	9 in series
Connection Box	IP68, diode inside
Cable Length	200mm/customize
Cable Cross Section	4mm ²
Cable Connector	IP68
Watch Glass	12mm Anti-slip Tempered Glass
Shell Material	Aluminum Alloy

Temperature Coefficients (STC)

T Coefficient of Isc (/°C)	+0.057
T Coefficient of Voc (/°C)	-0.286
T Coefficient of Pmax (/°C)	-0.370

STC (Standard Test Condition): Irradiance 1000W/m², atmospheric parameter 1.5, cell temperature 25°C.

Safety Parameters

Operating Temperature	-40°C ~85°C
Load-Carrying Capacity	>1000kg
Waterproof Capability	IP68
Anti-slip Property (Dry State)	Very Safe
Anti-slip Property (Wet State)	Very Safe
Corrosion Resistance	Not corroded by acid or alkali
Fuse Current	20A