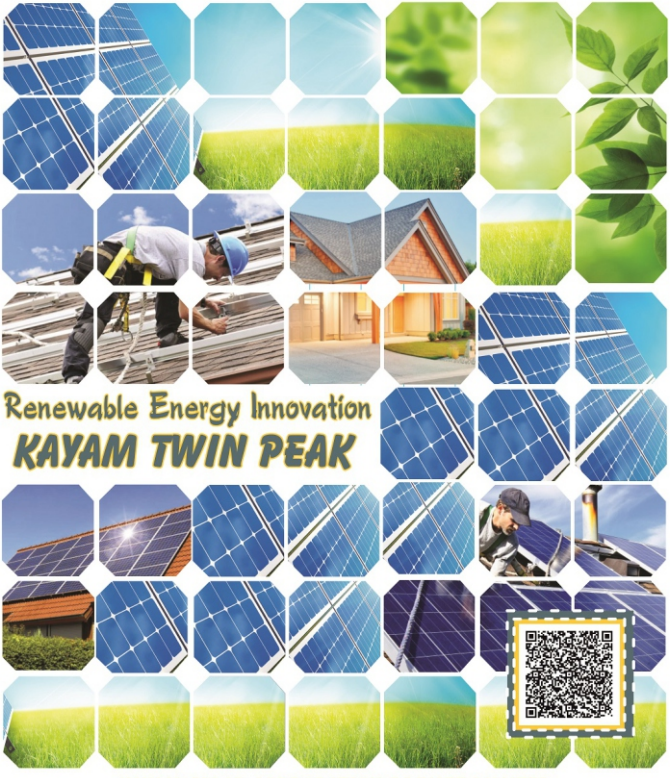
KAYAM®

KAYAM SOLAR



Renewable Energy Innovation

KAYAM TWIN PEAK

KAYAM SOLAR CORPORATION PRIVATE LIMITED

NEAR PANKHA CIRCLE, MARKET ROAD, CHURU 331001 (RAJASTHAN) INDIA

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KAYAM SOLAR CORPORATION PRIVATE LIMITED

MONO TWIN PEAK

KAYAM

KAYAM TWIN PEAK



KEY FEA TURES

- **GUARANTEED HIGH POWER OVER LIFE TIME**
- Modules Of fer High Conversion Efficiency
- Multi EL Checking To Ensure Defect Free Modules.
- Superior Performance at NOCT Conditions
- Certified to withstand the most challenging environmental conditions with latest BIS Standard
  - Module coating resistant to sand, acid, and alkali
  - 2400 Pa wind load
  - 5400 Pa snow load
- PID resistant and free of snail trails
- Enhanced Reliability with Guaranteed 0 to +4.99 Wp Power output tolerance

CERTIFICATIONS

ISO 9001:2008 · MNRE · CE · IEC · OHSAS 18001:2007

BIS TESTED AS PER MNRE GUIDELINES

100% QUALITY GUARANTEED · MADE IN INDIA · AUTOMATION · HIGH EFFICIENCY · 25 YEAR LINEAR PERFORMANCE WARRANTY · UL

Reliable Quality

- Rigorous quality control meeting the highest int ernational standards
- 25 years output warranty.
  90% for **10 years**
  80% for **25 years**
- Carefully selection of highest quality raw mat erials from reputed suppliers from around the world.

Application

On-grid lar ge scale utility systems
On-grid rooftop residential and commercial systems
Off-grid r esidential systems

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KAYAM TWIN PEAK

MONO CRYSTALLINE

Technical Data

Electrical Parameter at STC*	
Maximum Power Pmax(Wp)	400
Power Tolerance	0 ~ +5 Wp
Module Efficiency (%)	19.24
Maximum Voltage Vmp (V)	41.11
Maximum Current Imp (A)	9.74
Open Circuit Voltage Voc (V)	48.24
Short Circuit Current Isc (A)	10.40

*STC=1000 W/m² irradiance, 25°C module temperature, AM 1.5 spectrum

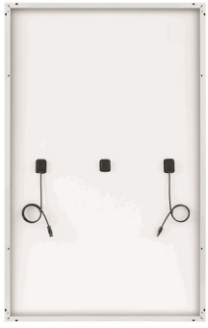
Electrical Parameter at NOCT*	
Maximum Power Pmax(Wp)	289.39
Maximum Voltage Vmp (V)	34.02
Maximum Current Imp (A)	7.83
Open Circuit Voltage Voc (V)	45.52
Short Circuit Current Isc (A)	8.37

*STC=800 W/m² irradiance, 20°C module temperature, AM 1.5 spectrum

Temperature coefficients (TC) & Permissible Operating Conditions	
Tc of Open Circuit Voltage (β)	-0.308 % /°C
Tc of Short Circuit Current (α)	0.057 % /°C
Tc of Power (γ)	-0.406 % /°C
Maximum System Voltage	1000 V DC
NOCT	45°C ± 2°C
Temperature Range	-40°C to +85°C

Mechanical Specification	
Cells	144 Pcs Mono-crystailline silicon Cut Cell
Cell encapsulation	Ultra-PID Resistant & Weather Stable EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Fluoro based UV & Weather Stable White Backsheet
Frame	Silver Anodised Aluminum Alloy (Screwless)
Weight	22.4 Kg
Junction Box	3-part, 3 bypass diodes, IP67 rated
Glass	3.2 mm, High transmission, ARC Glass
Cable & Connectors	Cable 1200*1200 mm length, 4 mm², MC4 compatible connectors
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Mechanical Load Test	5400 Pa-front ; 2400 Pa-back
Maximum Series Fuse Rating	15 A
Length × Width × Height	2100 mm x 990 mm x 35 mm (Optional 42mm)

Guarantees and Certifications	
Product Warranty**	10 Years
Performance Warranty**	Guaranteed Output power :- 90% for 10 years, 80% for 25 years
Approvals & Certificates	ISO 9001:2015/ ISO 14001:2015/ OHSAS 18001:2007



Putting standard modules in the shade

One major advantage of KayamTwinPeak technology compared to standard modules, is its ability to generate electricity even when partially shaded. This helps you to gain more energy yield over time from your installation.

If a standard module is shaded, its power and the energy produced will sink drastically and even stop generating electricity completely if shaded across the module width.



When one half of a standard module is shaded, none of the module produces electricity



With the same shading, an Kayam TwinPeak module has more surface area still producing electricity.

KayamTwinPeak solar modules are split into two twin sections which generate electricity independent to each other, but combine again before the current exits the module. This helps provide continuous electricity generation in the non-shaded section even at times of reduced irradiance on the module, increasing overall energy yield and installation profitability.

** Refer to Kayam Solar warranty document for terms and conditions.

Disclaimer : specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities.KAYAMSOLARreservesthe right to make any adjustment to the information described here, Datasetcontained in this specification do not form arepresentativeof a single module data.

Packing Information	
Container	40`HC
Pallets/Container	24
Pieces/Container	600

QCL ISO NSIC MNRE Imp & Exp. DGS&D MNRE MSME IEC Green Energy GEM


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