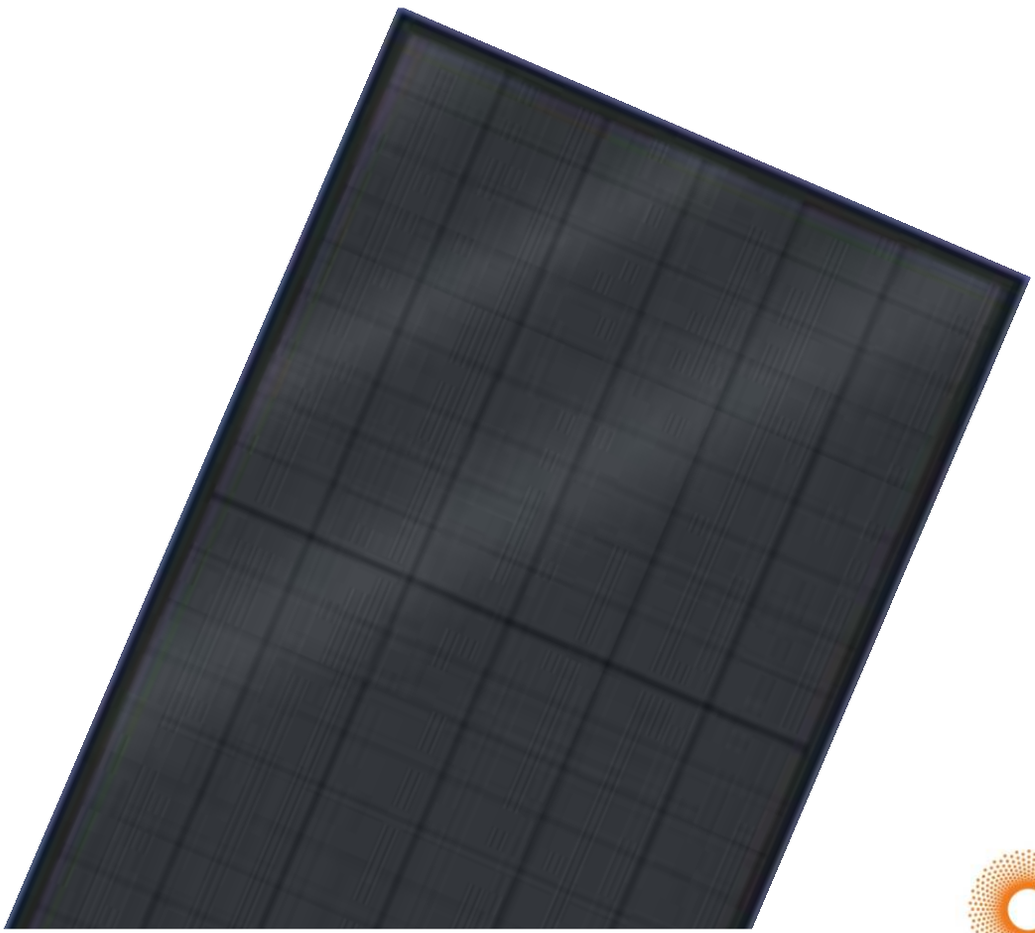
Kingdom Solar

MODEL: KD-M440-108-N

440W
MAXIMUM POWER OUTPUT

MONO-FACIAL BLACK SOLAR MODULE



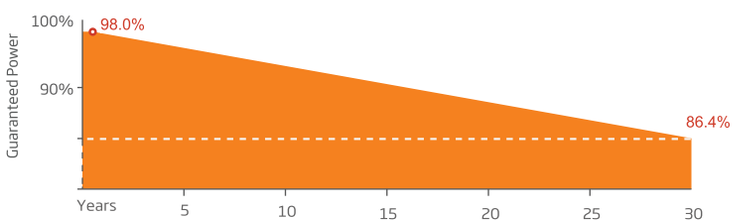
CLEAN ENERGY COUNCIL MEMBER

12 YEAR PRODUCT WARRANTY

30 YEAR LINEAR POWER WARRANTY

0.40% ANNUAL DEGRADATION OVER 30 YEARS

KDM SERIES LINEAR PERFORMANCE

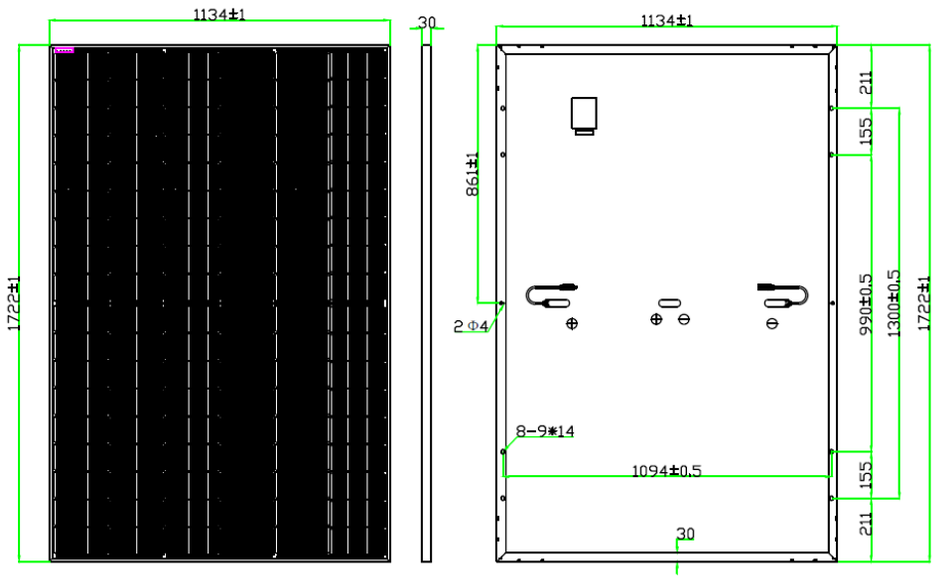


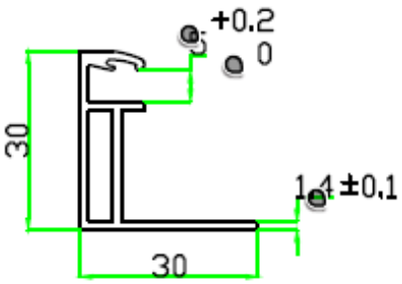
Comprehensive Products and System Certificates

ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
ISO45001: Occupational Health and Safety Management System

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60 Ashford Ave, NSW, Australia 2214
https://www.whiteint.com.au

DIMENSIONS OF PV MODULE(mm)





SIDE PROFILE

Load Capacity:
Dependant on Installation please refer to installation manual

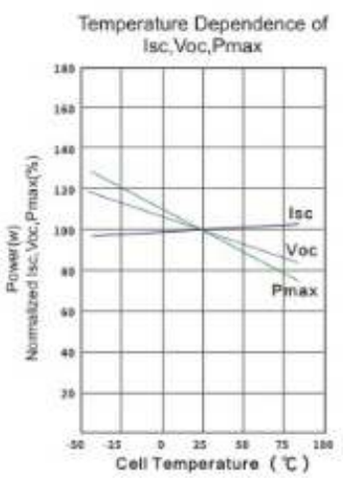
MECHANICAL DATA

Solar Cells	N-Type Monocrystalline
No. of cells	108 cells
Module Dimensions	1722 X 1134 X 30mm
Weight	22.0kg
Front Glass	3.2mm Anti-reflection Coating, High transmission,
	Low Iron, Tempered Glass
Frame	30mm Black Anodized Aluminium Alloy
J-Box	IP 68 Rated
Cables	TUV 1 X 4.0mm2 1200mm Length
Connectors	AM-SOLAR15C1 connectors supplied by Zhejing Anmai Solar Technology Co., Ltd

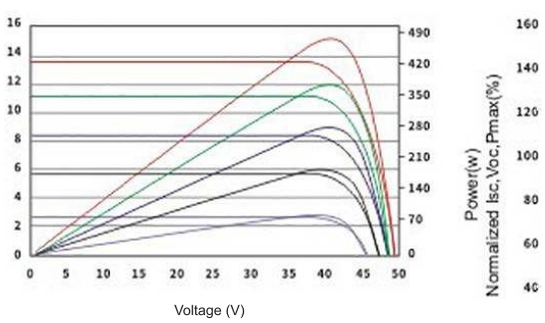
ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp) Tolerance +/- 3%	440
Binning Tolerance-PMAX (W)	0 ~ +5
Maximum Power Voltage-VMPP (V)	32.81
Maximum Power Current-IMPP (A)	13.41
Open Circuit Voltage-VOC (V) Tolerance +/- 3%	39.38
Short Circuit Current-ISC (A)	13.86
Module Efficiency η m (%) Tolerance +/- 3%	22.5

STC: Irrdiance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.



Current-Voltage & Power-Voltage Curves



TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of PMAX	- 0.29%/°C
Temperature Coefficient of VOC	- 0.25%/°C
Temperature Coefficient of ISC	0.045%/°C
Module [T98] MAX value:	70°C

MAXIMUMRATINGS

Operational Temperature	-40 ~ +70°C
Maximum System Voltage	1500 VDC (IEC)
Max Series Fuse Rating	25A
Fire Class Rating	C

WARRANTY

12 year Product Workmanship Warranty
30 year Power Warranty
2% first year degradation
0.4% Annual Power Attenuation

PACKAGING CONFIGUREATION

Modules per box: 31pcs
Modules per 40' HQ 806pcs

CAUTION: READ SAFETY AND INSTALLTION INSTRUCTIONS BEFORE USING THE PRODUCT.
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County of Manufacture / Origin China

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