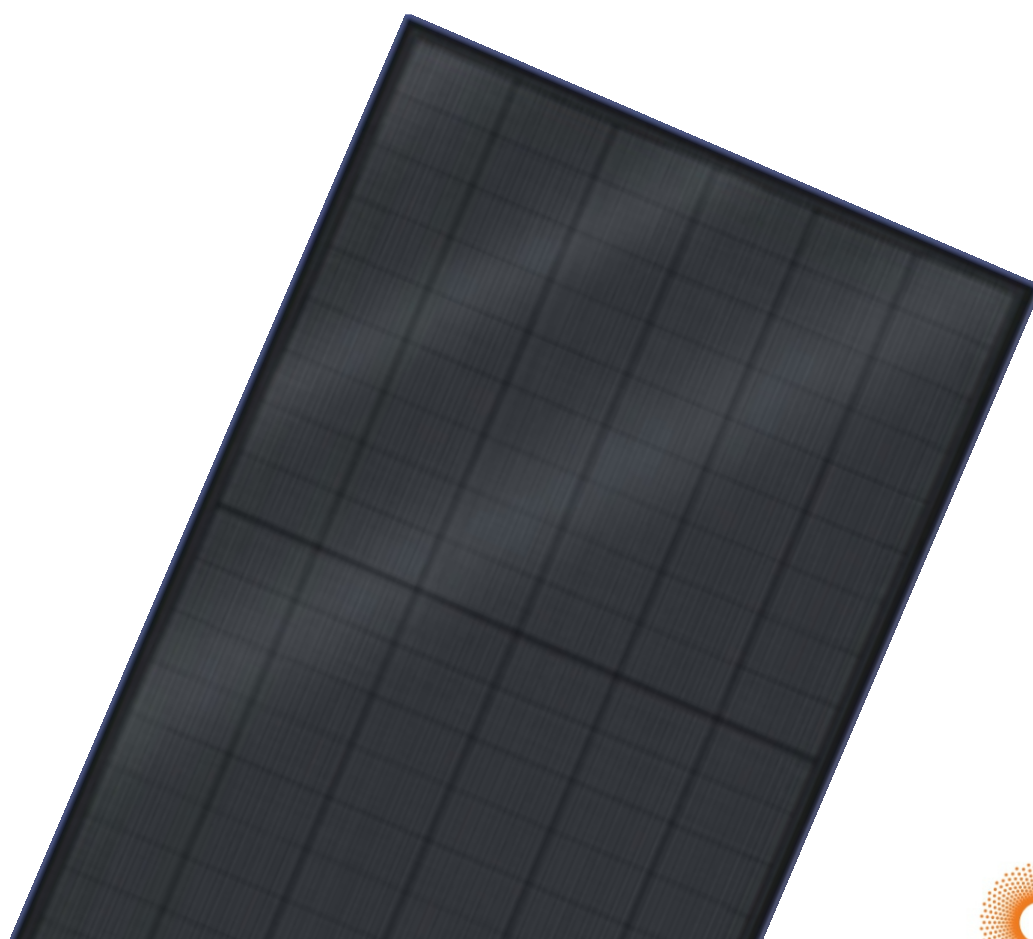




MODEL: KD-M440-108-N

440W
MAXIMUM POWER OUTPUT

MONO-FACIAL
BLACK SOLAR MODULE

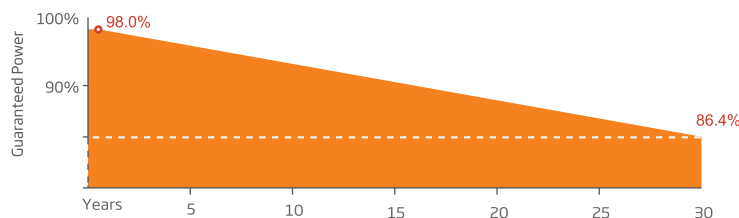


12 YEAR PRODUCT WARRANTY

30 YEAR LINEAR POWER WARRANTY

0.40% ANNUAL DEGRADATION OVER 30 YEARS

KDM SERIES LINEAR PERFORMANCE

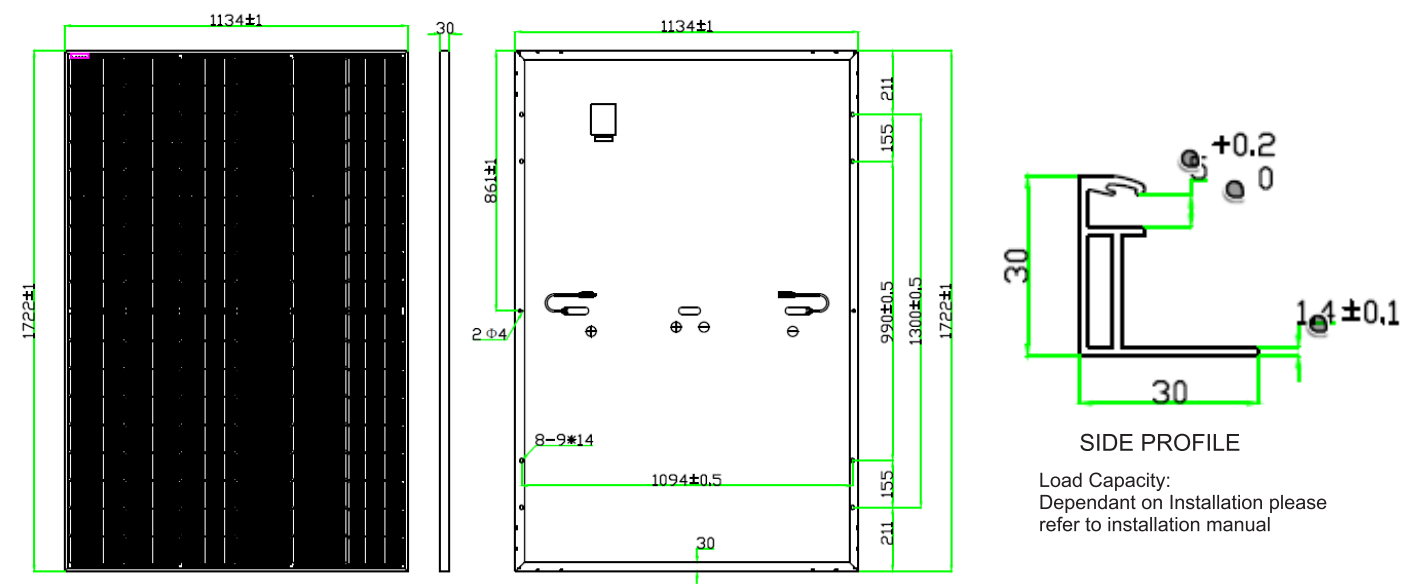


Comprehensive Products and System Certificates

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

Distributed by
White International Pty Ltd
60 Ashford Ave, NSW, Australia 2214
<https://www.whiteint.com.au>

DIMENSIONS OF PV MODULE(mm)

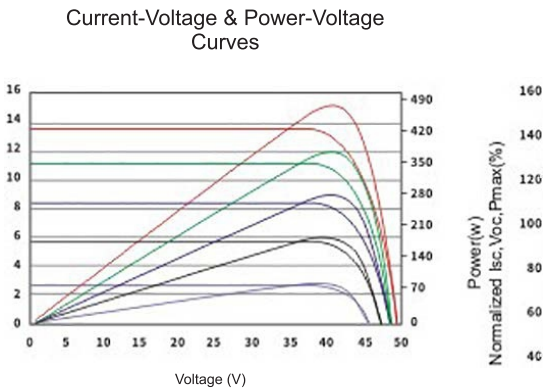
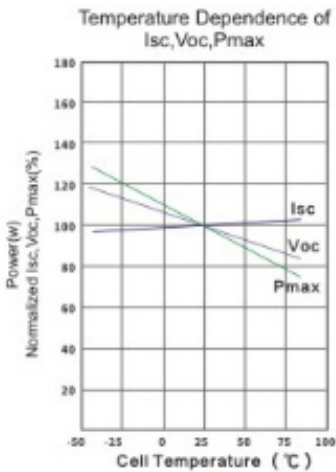


SIDE PROFILE

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 Zhejiang Anmai Solar Technology Co., Ltd

ELECTRICAL DATA (STC)	
Peak Power Watts -P _{MAX} (Wp) Tolerance +/- 3%	440
Binning Tolerance-P _{MAX} (W)	0 ~ +5
Maximum Power Voltage-V _{MPP} (V)	32.81
Maximum Power Current-I _{MPP} (A)	13.41
Open Circuit Voltage-V _{oc} (V) Tolerance +/- 3%	39.38
Short Circuit Current-I _{sc} (A)	13.86
Module Efficiency η_m (%) Tolerance +/- 3%	22.5
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: ±3%.	



TEMPERATURE RATINGS	
NOCT (Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of P _{MAX}	- 0.29%/°C
Temperature Coefficient of Voc	- 0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Module [T98] MAX value:	70°C

MAXIMUM RATINGS	
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 CONFIGURATION	
Modules per box: 31pcs	
Modules per 40' HQ 806pcs	