

High quality silicon wafers guarantee high power module output and excellent cost-effectiveness, making it an ideal choice for large power plants

Adapt to harsh outdoor environments through weather resistance tests such as sand and dust, salt spray, and ammonia gas

PID

Selected packaging materials and strict process plans to ensure component PID resistance

The design of series and parallel connection reduces the series resistance Rs of components, reduces internal electrical performance losses, and improves the power generation capacity of the system end

LID

Lower oxygen and carbon content leads to lower LID

Our company has concluded a reinsurance agreement with
Ariel Re - Lloyd's syndicate 1910

Monocrystalline Module

PV Modules

N-Type

DA-NM12R/132GN
600W-630W

P-Type

DA-M10/144H
530W-550W

TOPCON

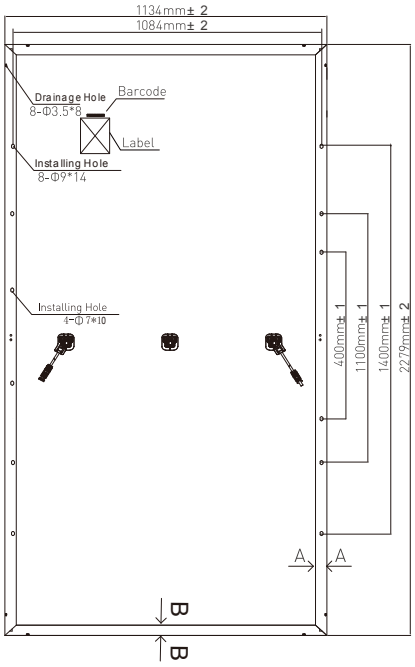
DA-M10/144GN
565W-595W

DA-HC-DG-730
705W-730W

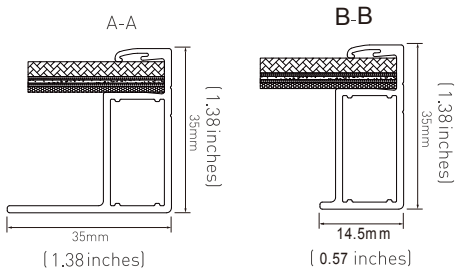
530-550W

Type		DA-M10/144H				
Electrical Specification(STC*)						
Maximum Power	Pmax(W)	530	535	540	545	550
Maximum Power Voltage	Vmp(V)	40.56	40.63	40.70	40.80	40.90
Maximum Power Current	Imp(A)	13.07	13.17	13.27	13.36	13.45
Open Circuit Voltage	Voc(V)	49.26	49.34	49.42	49.52	49.62
Short Circuit Current	Isc(A)	13.71	13.79	13.85	13.94	14.03
Module Efficiency	(%)	20.6	20.8	21.0	21.2	21.4
Power Output Tolerance	(W)			0~+5		
* Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5						
Electrical Specification(NOCT*)						
Maximum Power	Pmax(W)	394	398	402	406	410
Maximum Power Voltage	Vmp(V)	37.92	38.05	38.19	38.32	38.46
Maximum Power Current	Imp(A)	10.40	10.46	10.52	10.58	10.64
Open Circuit Voltage	Voc(V)	46.50	46.63	46.75	46.88	47.00
Short Circuit Current	Isc(A)	11.06	11.12	11.19	11.25	11.32
* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s						
Mechanical Data						
Number of Cells		144 Cells (6×24)				
Dimensions of Module L*W*H (mm)		2279×1134×35mm (89.72×44.64×1.38 inches)				
Weight (kg)		29.4 kg				
Glass		High transparency solar glass 3.2mm (0.13 inches)				
Backsheet		White				
Frame		Silver, anodized aluminium alloy				
J-Box		IP68 Rated				
Cable		4.0mm² (0.006 inches²), 300mm (11.8 inches)				
Number of diodes		3				
Wind/ Snow Load		2400Pa/ 5400Pa*				
Connector		MC Compatible				
Temperature Ratings						
Nominal Operating Cell Temperature (NOCT)		44±2°C				
Temperature Coefficient of Isc		+0.048%/°C				
Temperature Coefficient of Voc		-0.270%/°C				
Temperature Coefficient of Pmax		-0.350%/°C				
Maximum Ratings						
Operational Temperature		-40~+85°C				
Maximum System Voltage		1500V DC -(H)				
Max Series Fuse Rating		20A				
Packaging Configuration						
Module per box		31 pieces				
Module per 40' container		620 pieces				
Optional						
Connector		■ MC Original				

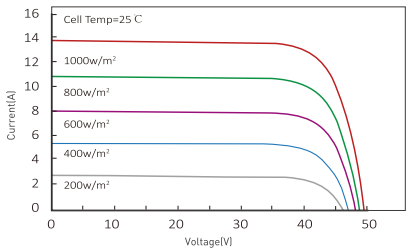
Module Dimension



Back View



I-V Curve at Different Temperature (530W)



I-V/P-V Curve at Different Irradiation (530W)

