

M6 PERC Shingled

M6 PERC Shingled Technology provides ultra-high efficiency with better performance in low irradiation. Maximizes installation capacity in limited space.

Corrosion Resistant

Various tests under harsh environmental conditions such as ammonia and salt-mist passed

Tempered glass and reinforced frame design withstand rigorous weather conditions such as heavy snow and strong wind.

Reliable Warranty

Global Brand with powerful financial strength provide reliable 25-year warranty. (Australia and Europe Only)

Hyundai's R&D center is an accredited test laboratory of both UL and VDE.

Electrical Characteristics

		Mono-Crystalline Module (HiE-S____VI)				
		480	485	490	495	500
Nominal Output (Pmpp)	W	480	485	490	495	500
Open Circuit Voltage(Voc)	V	46.6	46.6	46.7	46.8	46.8
Short Circuit Voltage (Isc)	A	13.16	13.22	13.28	13.34	13.4
Voltage at Pmax (Vmpp)	V	38.8	38.8	38.9	39	39
Cuurent at Pmax (Impp)	A	12.37	12.50	12.60	12.69	12.82
Module Efficiency	%	20.5	20.7	20.9	21.1	21.3
Cell Type	-	PERC Mono-Crystalline Silicon Shingled				
Maximum System Voltage	V	1,500				
Temperature Coefficiency of Pmax	%/°C	-0.34				
Temperature Coefficiency of Voc	%/°C	-0.27				
Temperature Coefficiency of Isc	%/°C	0.04				

*All data at STC(Standard Test Conditions). Above data may be changed without prior notice.

*Tolerance of Pmax:0~+5W.

*Measuring uncertainty of power:±3%.

* Performance deviation of Voc [V], Isc [A], Vm[V] and Im[A]: ±3%.

Mechanical Characteristics

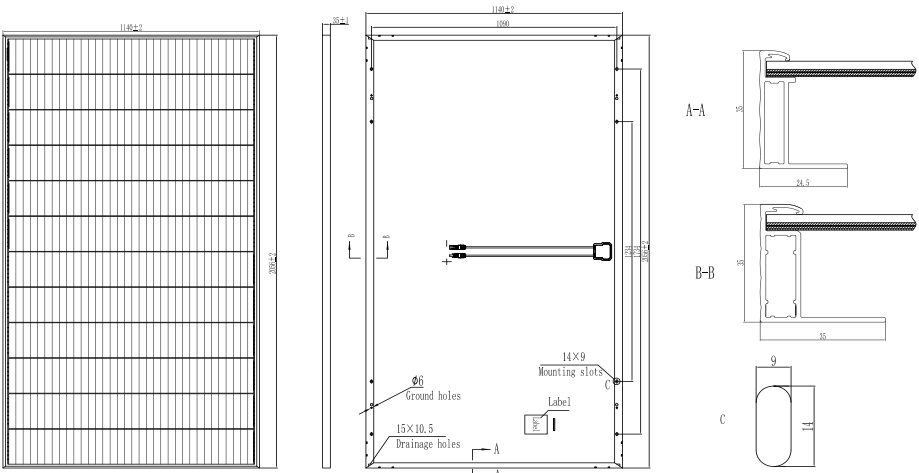
Dimensions	2,056 × 1,140 × 35mm (L × W × H)		
Weight	25kg		
Solar Cells	408 cells, PERC Mono-crystalline Shingled (166 × 166mm)		
Output Cables	Length 1,200mm, 1×4mm ²	Connector	Stäubli : MC4-Evo2
Junction Box	Rated current: 20A, IP67, TUV&UL, 2 bypass diodes		
Construction	Front Glass: White toughened safety glass, 3.2mm Encapsulation: EVA (Ethylene-Vingl-Acetate)		
Frame	Anodized Aluminum		

Installation Safety Guide

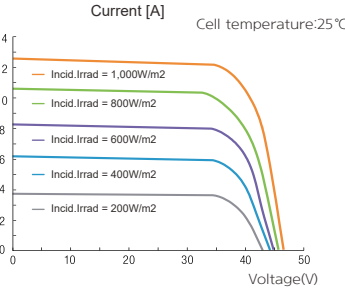
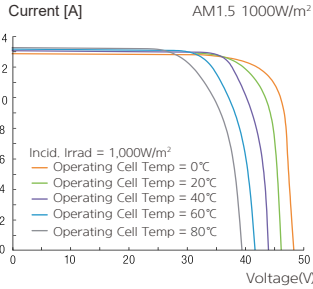
- Only qualified personnel should install or perform maintenance.
- Be aware of dangerous high DC voltage.
- Do not damage or scratch the rear surface of the module.
- Do not handle or install modules when they are wet.

Nominal Operating Cell Temperature	42.3°C (± 2°C)
Operating Temperature	-40 ~ 85° C
Maximum System Voltage	DC 1,500
Series Fuse Rating	20A
Maximum Surface Load Capacity	Front 5,400 Pa Rear 2,400 Pa

Module Diagram (Unit: mm)



I-V Curves



Manufactured in China



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