

# HYUNDAI SOLAR MODULE

## 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____VG)				
		395	400	405	410	415
Nominal Output(Pmpp)	W	395	400	405	410	415
Open Circuit Voltage(Voc)	V	46.3	46.4	46.5	46.6	46.7
Short Circuit Current(Isc)	A	10.92	10.97	11.02	11.07	11.12
Voltage at Pmax(Vmpp)	V	38.5	38.6	38.7	38.8	38.9
Currnt at Pmax(Impp)	A	10.26	10.36	10.47	10.57	10.67
Module Efficiency	%	20.2	20.4	20.7	20.9	21.2
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 Date 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

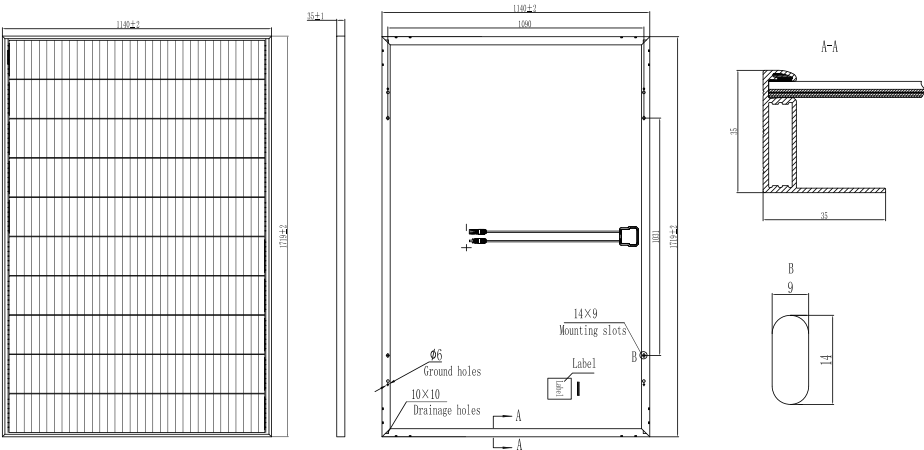
Dimensions	1,719 × 1,140 × 35mm (L × W × H)		
Weight	22kg		
Solar Cells	340 Cells, PERC Mono-crystalines Shingled (166 × 166mm)		
Output Cables	Length1,500mm, 1×4mm <sup>2</sup>	Connector	Stäubli : MC4-Evo2
Junction Box	Rated Current : 20A, IP67, TUV&UL		
Construction	Front Glass: White toughened safety glass, 3.2mm Encapsulation: EVA (Ethylene-Vinyl-Acetate)		
Frame	Anodized aluminum		

Installation Safety Guide

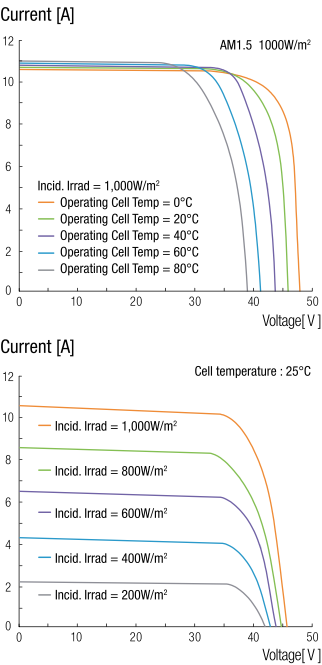
- Only qualified personnel should install or perform maintenance.
- Be aware of dangerous high DC voltage.
- Do not damage or scratch the rear surface of the module.
- Do not handle or install modules when they are wet.

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

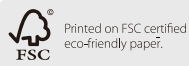
Module Diagram (unit : mm)



I-V Curves



Manufactured in China



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