



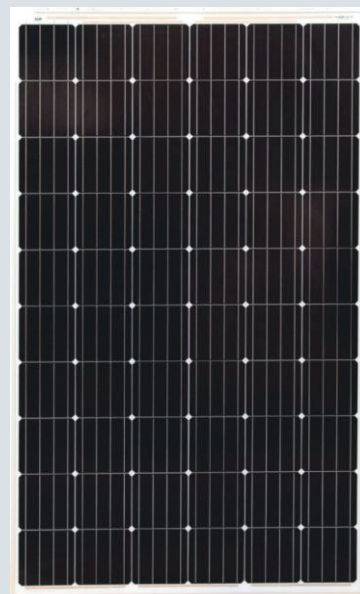
POWER SOLID

The Crown of Power Solution

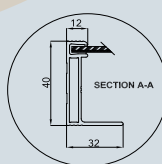
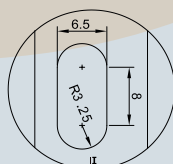
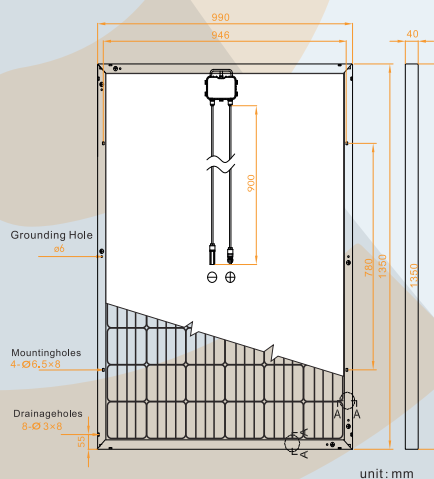
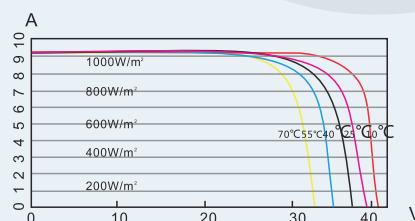
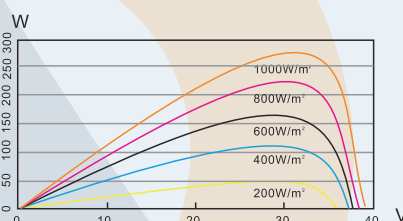
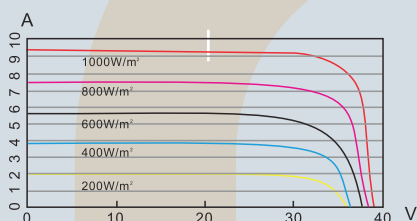
Solar Panel
Monocrystalline
200W

General Features

- Tempered and high transparent low-iron glass**
 directs more light on the solar cells, resulting in a higher energy yield.
- Excellent low-light performance**
 produces energy even at low light levels, especially in the morning, evening and winter season.
- Special and advanced module sealing technology**
 to avoid leakage and frame deformation.
- Well-suited module size**
 for almost all PV applications.
- Durable PV modules**
 can be used for harsh environmental conditions, such as exposure to salt mist, and known potential induced degradation risk factors.



Module Diagram



Warning: Read the Installation and User Manual in its entirety before handling, installing, and operation smart Solar modules.



Technical Specifications

Product Info			
Model			PS200W#PVPS
Solar Cell Number			48 PCS
Solar Cell size			156 x 156
Wattage			200W
Silicon Type			M : Monocrystalline
Electrical Parameters at standard Test conditions (STC)			
Module Type			M : Monocrystalline
Power Output	P _{max}	W	200W
Power Output Tolerances	ΔPmax	W	0/+5
Module Efficiency	η _m	%	18.3
Voltage at P max	V _{mp}	V	24.12
Current at P max	I _{mp}	A	8.29
Open Circuit Voltage	V _{oc}	V	29.67
Short circuit current	I _{sc}	A	8.87
Thermal characteristics			
Nominal operating cell type	NOCT	°C	46+/-2
Temperature coefficient of	γ	%/°C	-0.42
Temperature coefficient of	β _{voc}	%/°C	-0.32
Temperature coefficient of	α _{Isc}	%/°C	-0.05
Temperature coefficient of	β _{vmpp}	%/°C	-0.42
Operating conditions			
Max system voltage			1000VDC
Max series fuse rating			15A
Limiting reverse current			15A
Operating temperature range			-40 °C to 85 °C
Max static load front (e.g.snow)			5400Pa
Max static load front (e.g.wind)			2400Pa
Max hailstone impact (diameter / velocity)			25mm/23m/s
Construction Materials			
Front cover (Material / Thickness)			low-iron tempered glass/4.0mm
Cell (quantity/material/dimensions/number of busbars)			48/ multi crystalline silicon /1 56mmx1 56mm 4 or 5
Frame (material/color/anodization/color/edge sealing)			anodized aluminum alloy/silver/clear /silicone or tape
Junction box (protection degree)			≥IP65
Cable (length/cross-sectional area)			1100mm/4mm ²
Plug connector (type/protection degree)			MC4/IP 67 orYT08-1/IP67 or Amphenol H4/IP68
Dimensions(L/W/H)			1 3 50mm/ 9 9 2mm/40mm
Weight			1 5kg