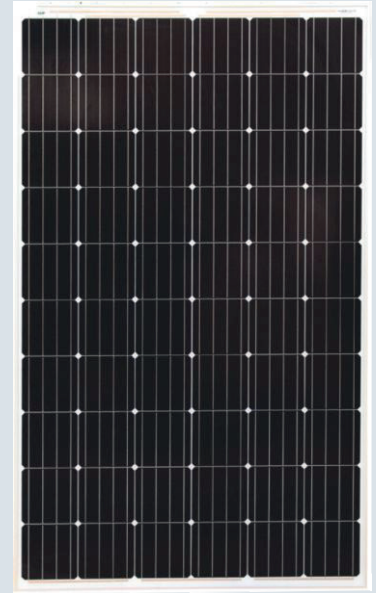


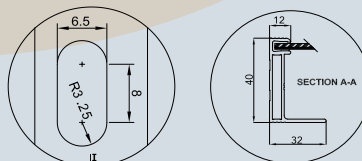
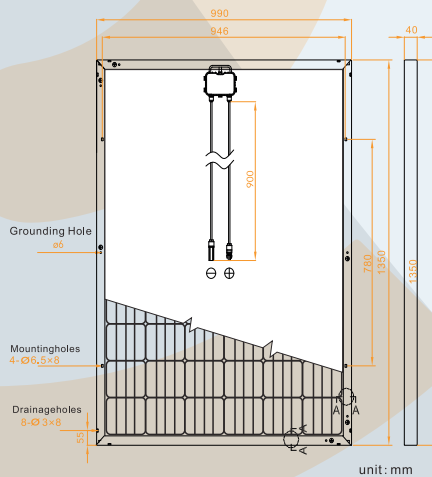
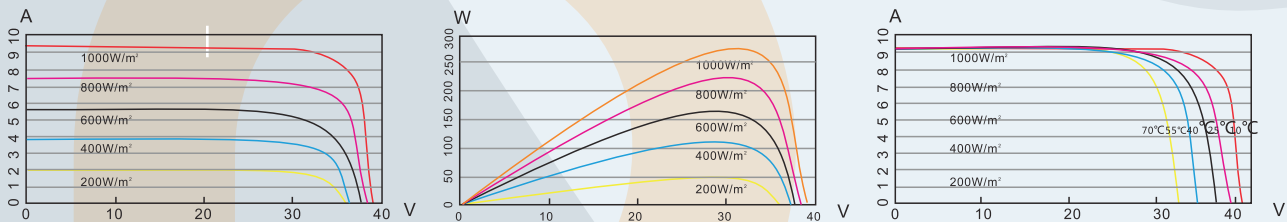


General Features

- 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	ΔP_{max}	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	