

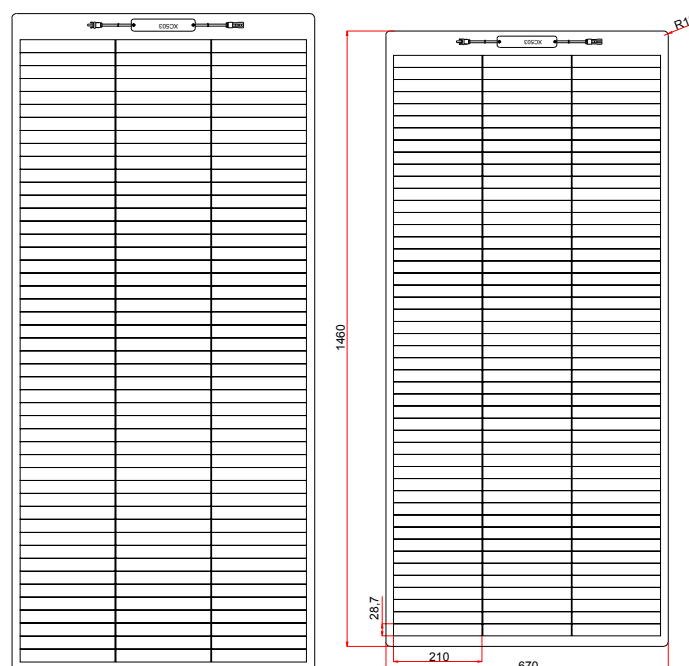
PRIMA PSM-180(F)



Electrical Characteristics

Rated power (Wp)	180W
Open-circuit voltage(UoC)	32.2V
Rated voltage (Umpp)	27.3V
Short-circuit current(Isc)	6.99A
Rated current (Impp)	6.60A
Efficiency	22.0%
Max. system voltage	600V DC(IEC)
Power temperature coefficient	-0.38%/°C
Voltage temperature coefficient	-0.36%/°C
Current temperature coefficient	0.07%/°C
Output power tolerance	±3%
Operating Temperature	-40°C~+85°C

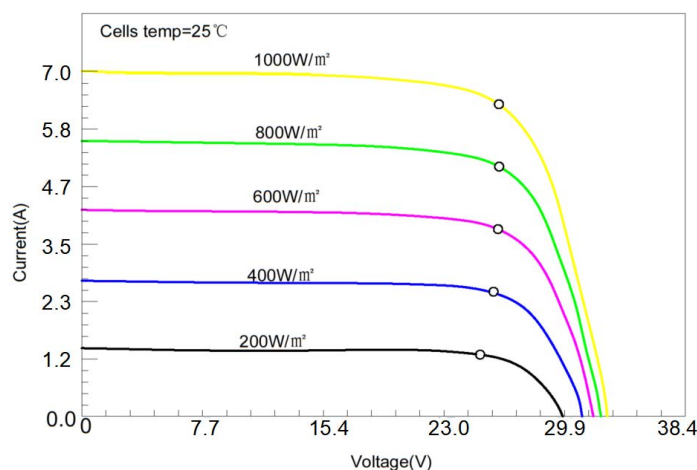
Dimensions (mm)



Specifications

Solar Cells	Monocrystalline 210mm
No. of cells and connections	144(3*48)
Module dimension	1460 x 670 x 3mm
Weight	4.25 kg
Output cable	JB (2*bypass diodes) + 900mm/4mm ² cable+MC4 compatible
Protection Class	IP68
Certifications	CE RoHS
Maximum bending arch height	270mm

Curves of PV Module



Product Introduction

The PSM-F series photovoltaic panel utilizes proven crystalline-silicon solar cell technology combined with advanced polymer composite materials to create a new generation of glass-free, lightweight, ultra-thin PV modules. The integration of PERC shingle-cell technology enables zero cell spacing, significantly increasing the module's effective light-receiving area and enhancing overall performance.

Solar panel bending diagram

