

PRIMA PSM-180 (F2)



Electrical Characteristics

Rated power (Wp)	180W
Open-circuit voltage(UoC)	27.4V
Rated voltage (Umpp)	23.2V
Short-circuit current(Isc)	8.22A
Rated current (Impp)	7.76A
Efficiency	22.7%
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

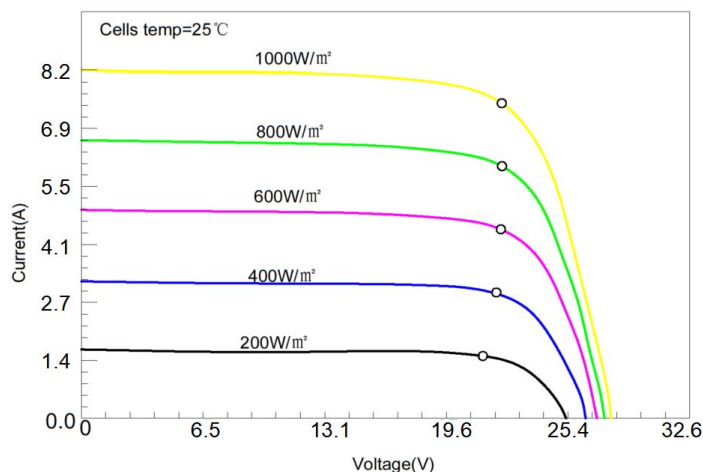
Dimensions (mm)



Specifications

Solar Cells	Monocrystalline 210mm
No. of cells and connections	160(4*40)
Module dimension	1360 x 710 x 3mm
Weight	4.19 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

