



No.	part name	Quantity	Material	data	Remarks
1	Solar cell	54	Multi-Crystalline silicon		156mm x 156mm
2	Cover glass	1	PV Module glass		t=3.2mm
3	Encapsulant		EVA		
4	Back film	1	PPAP20W		Color:White
5	Sealing		butylene rubber		
6	Frame	1	Aluminium		Color:Black
7	Junction box	1	XYRON		
8	Out cable	1	TUV 4.0sq		L=1,000 \pm 5% mm MC or KITANI conector
9	Rating label	1	Polyester film/color:silver		Description:1.Serial number,2.Nominal Characteristic

Performance

Nominal Value	FMC -170 series	FMC -175 series	FMC -180 series	FMC -185 series	FMC -190 series	FMC -195 series	FMC -200 series
Maximum power (Pm)	170W	175W	180W	185W	190W	195W	200W
Maximum power voltage (Vpm)	25.6V	25.8V	26.0V	26.1V	26.3V	26.5V	26.8V
Maximum power current (Ipm)	6.65A	6.8A	6.93A	7.10A	7.23A	7.37A	7.47A
Open circuit voltage (Voc)	32.3V	32.5V	32.6V	32.8V	32.9V	33.1V	33.3V
Short circuit current (Isc)	7.55A	7.58A	7.60A	7.70A	7.80A	7.90A	7.95A

Standard Test Condition

1. Module temperature : 25
2. Irradiance : 1000W/m²
3. Spectral distribution : AM 1.5 reference global solar radiation.⁽¹⁾
Note(1): See IEC 60904-3

Weight 17.0 \pm 1 kg

Wind pressure-proof load: 2700Pa

Maximum system voltage 750V

Caution

1. Ground PV module and Mounting structure.
2. Take enough caution when installing.
3. The tone of the module surface might change partially, but there is no influence in the power generation performance.
4. Snow pressure load: The snowfall must be 50cm or below.
5. Specifications are subject to change without notice.

length (mm)	<30	30 <120	120 <315	315 <1000	1000 <2000
tolerance	\pm 0.6	\pm 1.1	\pm 1.6	\pm 2.8	\pm 4.5

DATE	08-09-23	APPD' BY		CHECKER		TRACER	y. takikita	TITLE	PHOTOVOLTAIC MODULE FMC series PHOTOVOLTAIC SYSTEM PV MODULE
THE 3RD ANGLE PROJECTION DIM IN mm (inch)								DWG NO.	Reference data
MARK	DATE	MEMO	TORACER	CHECKER					