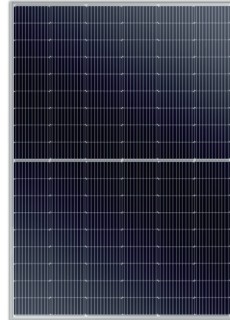


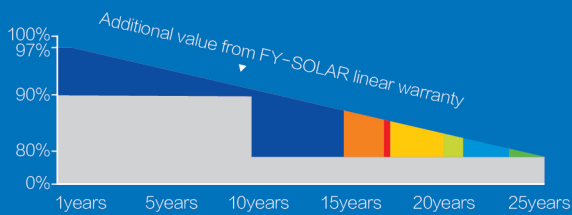
Mono



FY-108-415MH

FY-108-405MH	FY-108-410MH
FY-108-415MH	FY-108-420MH
FY-108-425MH	FY-108-430MH

Linear power guarantee provided by FY-SOLAR
Standard warranty



21%
output efficiency

10year
Material & Workmanship warranty

430W
Highest power output

25year
Linear power output warranty

Certifications for Incentives

- World-class manufacture of crystalline silicon photovoltaic modules
- Fully automatic facility and world -class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001:2015 and OHSAS:18001 2007
- Tested for harsh environments(salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2-68)
- Long term reliability tests
2*100% inspection ensuring defect-free modules.

25 Year Linear Power Guarantee

- **Commercial**
10 years on material and manufacturing defects
- **Performance**
Power not less than 90% of power peak during the first 10 years
Power not less than 80% of power peak during the subsequent 25 years



Electrical Characteristics at STC

Type	FY-108-405MH	FY-108-410MH	FY-108-415MH	FY-108-420MH	FY-108-425MH	FY-108-430MH
Maximum Power-Pmax(W)	405W	410W	415W	420W	425W	430W
Tolerance Value for Power-%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Maximum Power Voltage-Vmpp(V)	31.03	31.5	31.7	31.9	32.1	32.3
Maximum Power Current-Imp(A)	12.95	13.02	13.10	13.17	13.24	13.32
Open Circuit Voltage-Voc(V)	37.3	37.5	37.7	37.9	38.1	38.3
Short Circuit Current-Isc(A)	13.75	13.82	13.91	13.98	14.05	14.12
Module Efficiency- η	20.74%	21.00%	21.25%	21.51%	21.76%	22.02%

Performance at STC: Irradiance of 1000W/m² , Module temperature 77 ± 3.6°F(25 ± 2°C)AM 1.5 Power measurement tolerance: ± 3%

Electrical Characteristics at NOCT

Type	FY-108-405MH	FY-108-410MH	FY-108-415MH	FY-108-420MH	FY-108-425MH	FY-108-430MH
Maximum Power-Pmax(W)	306W	310W	314W	318W	322W	325W
Maximum Power Voltage-Vmpp(V)	29.3	29.5	29.7	29.9	30.1	30.3
Maximum Power Current-Imp(A)	10.44	10.50	10.56	10.62	10.67	10.74
Open Circuit Voltage(V)-Voc(V)	35.7	35.8	36.0	36.2	36.4	36.6
Short Circuit Current(A)-Isc(A)	11.09	11.14	11.22	11.27	11.33	11.38

Performance at NOCT: Irradiance 800W/m² , Ambient temperature 20°C, Wind speed 1m/SPower measurement tolerance: ± 3%

Temperature Coefficients(TC)

Temperature Coefficient of VOC(β)	-0.29%/°C
Temperature Coefficient of ISC(α)	+0.048%/°C
Temperature Coefficient of P max	-0.35%/°C

Permissible Operating Conditions

Maximum System Voltage	1500V
Operating Temperature Range	-40°C~+80°C
Maximum Surface Load Capacity	Test up to 5400pa according to IEC61215(Advanced test)
Resistance Against Hail	Maximum diameter of 1in.(25mm) impact speed of 51.5mph(23m/s)

Mechanical specifications

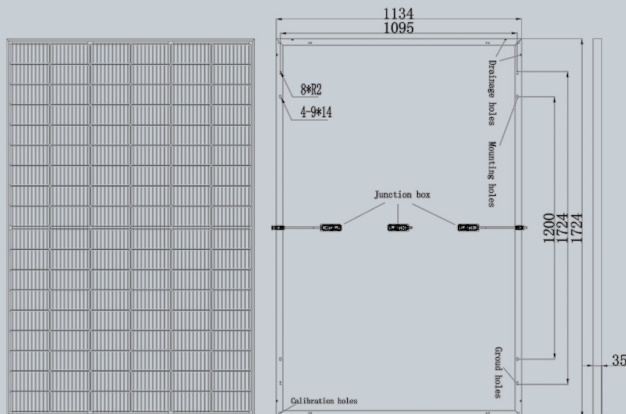
Cells	Monocrystalline cell (182,12X9)
Junction Box	Ip68
Front Glass Thickness	3.2mm
Connecting Cable/Connector	MC4 compatible connector/TUV 1*4.0mm ² Length 300mm(+),300mm(-) or customized
Frame Dimension	1724×1134×35mm
Weight	20.4KG

Packing Features

Frame Height	35mm
Qty/pallet(pcs)	31
Qty/40HC container(PCS)	806

FY-108-415MH

Engineering Drawings



Electrical Performance & Temperature Dependence

