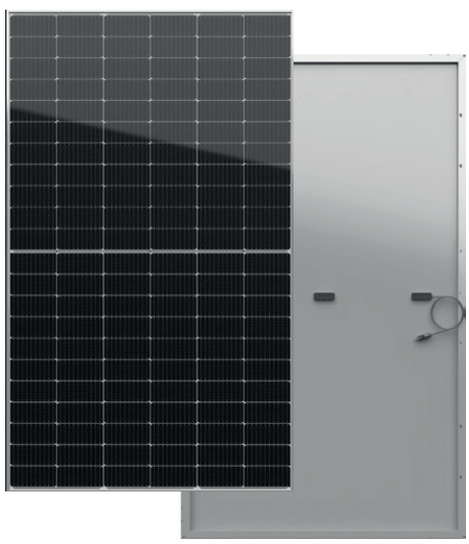
FELLOWPLUS+

FE66-210

High Efficiency Low LID and PERC cell with Half-cut Technology

Big Size Cell 210mm x 105mm Monocrystalline

645W / 650W
655W / 660W / 665W



- Module Efficiency:
  21.4%
- No. of Cells:
  132 (6x22)
- Weight:
  33.5kg
- Dimensions:
  2384mm × 1303mm × 35mm

Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.

MBB The optimized number and width of main gate lines, Maximize the light receiving area of components and power consumption.

EL

Microcrack resistant high performance white backsheet structure enhance reliability, triple EL tested of high quality control.

Designed for high voltage systems of up to 1500 VDC, increas-ing the string length of solar systems and saving on BOS costs

Entire module certified to with stand extreme wind (2400 PA) and snow loads (5400 Pa)

2%

All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

15 Ys
Products Warranty

25 Ys
Warranty on power output

5W
Positive tolerance 0/+5W guaranteed

PID
PID Resistand

Comprehensive and first-rate certification system

IEC61215: 2016.IEC61730: 2016 Latest Standard IS014001 and ISO45001, meeting the highest international standards Strict quality control

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Better Choice For Higher Efficiency!

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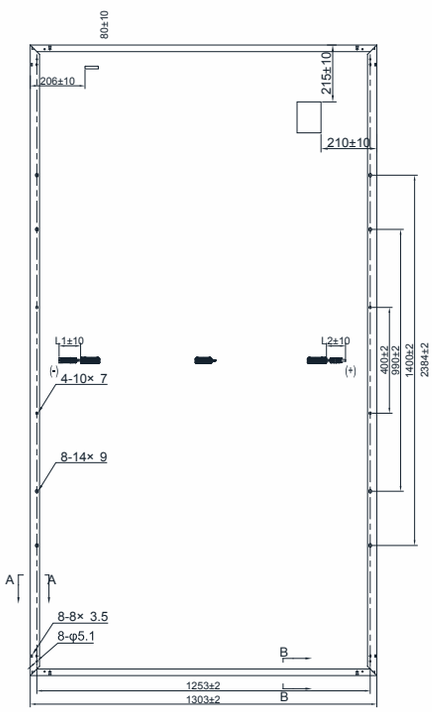
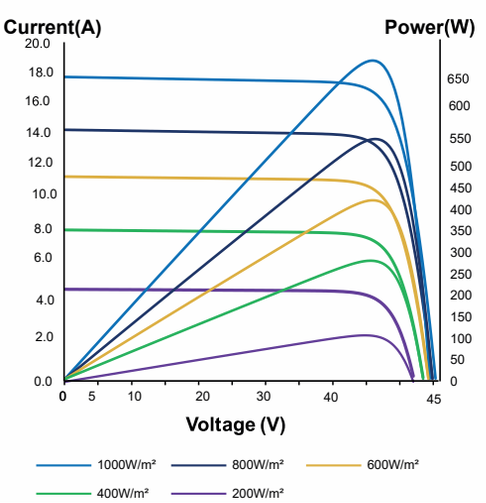
645W / 650W / 655W / 660W / 665W

Engineering Drawing



I-V Curves

Current Voltage & Power-Voltage Curve



Electrical Characteristics

Module	FE66-210				
Maximum Power at STC (Pmax)	645W	650W	655W	660W	665W
Open-Circuit Voltage (Voc)	44.80V	45.00V	45.20V	45.40V	45.60V
Short-Circuit Current (Isc)	18.35A	18.39A	18.43A	18.47A	18.51A
Optimum Operating Voltage (Vmp)	37.70V	37.90V	38.10V	38.30V	38.50V
Optimum Operating Current (Imp)	17.11A	17.16A	17.20A	17.24A	17.28A
Module Efficiency	20.80%	20.90%	21.10%	21.20%	21.40%
Power Tolerance	0 ~ +5W				
Maximum Series Voltage	1500V DC (IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40°C to +85°C				

*STC:Irradiance 1000W/m², module temperature 25, AM=1.5
Optional Black frame or white frame module according to customer requirements

NMOT

Module	FE66-210				
Maximum Power	489W	493W	496W	500W	504W
Open-Circuit Voltage (Voc)	49.20V	43.10V	43.30V	43.50V	43.70V
Short-Circuit Current (Isc)	14.78A	14.81A	14.84A	14.88A	14.91A
Optimum Operating Voltage (Vmp)	36.10V	36.30V	36.50V	36.70V	36.90V
Optimum Operating Current (Imp)	13.55A	13.58A	13.59A	13.62A	13.66A
Power Tolerance	45°C±2				

*NMOT:Irradiance 800W/m², ambient temperature 20°C, wind spead 1m/s

Mechanical Characteristics

Solar Cells	Monocrystalline 210 x 105 mm
No. of Cells	132 (6x22)
Dimensions	2384mm x 1303mm x 35mm
Weight	33.50 kg
Front Glass	High transmission tempered glass; thickness; 3.2m
Frame	Anodized aluminium alloy
Junction Box	IP68
Cable	4mm²(IEC) Lenght:(+)400mm (-)200mm/ length can be customized
Connectors	Original MC4
Packaging Configuration	31pcs / box, 558pcs / 40'HQ Container

Temperature Characteristics

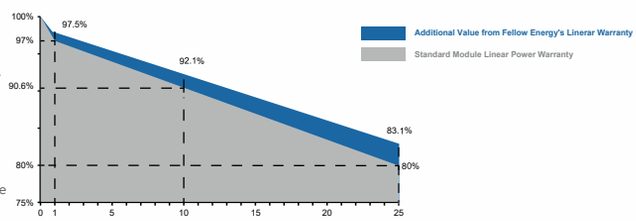
Temperature Coefficient of Pmax	γ (Pm)	-0.326%/°C
Temperature Coefficient of Voc	ß (Voc)	-0.258%/°C
Temperature Coefficient of Isc	α (Isc)	-0.051%/°C

Warranty

15 Ys Products Warranty

25 Ys Warranty on power output

Specific information is referred to the product quality guarante



The module recycling should be carried out by the professional instutions at the end of module life cycle

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