



Excellent performance under weak light conditions: at an irradiance intensity of 800W/m<sup>2</sup> (AM 1.5, 25°C), 95.5% or higher of the STC efficiency(1000W/m<sup>2</sup>) is achieved.

**Specifications**

\* STC: irradiance 1000 W/m<sup>2</sup>, AM 1.5, and cell temperature of 25°C

Model Type	FY-144-455MH
Peak Power(Pmax)	455.00
Maximum Power Voltage(Vmp)	41.76
Maximum Power Current(Imp)	10.89
Open Circuit Voltage(Voc)	50.11
Short Circuit Current(Isc)	11.33
Module Efficiency(%)	20.93

\* NOCT: irradiance 800 W/m<sup>2</sup>, AM 1.5G, ambient temperature 20°C, wind speed 1 m/s

Peak Power(Pmax)	338.00
Maximum Power Voltage(Vmp)	39.20
Maximum Power Current(Imp)	8.63
Open Circuit Voltage(Voc)	46.54
Short Circuit Current(Isc)	9.28

Maximum System Voltage(V)	1500V DC (IEC)
Maximum Series Fuse Rating(A)	20
Power Tolerance	0~+5W %
Pmax Temperature Coefficients(W/°C)	-0.380 %
Voc Temperature Coefficients(V/°C)	-0.300 %
Isc Temperature Coefficients(A/°C)	+0.060 %
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85

**Mechanical characteristics**

Cell Type	Mono
No. of Cells	144
Dimensions	2094*1038*35mm
Weight	24.3kg
Front Glass	3.2mm(0.13 inches) tempered glass
Frame	Anodized Aluminium Alloy
Junction box	Ip67 rated
MaxWind Load/Snow	2400Pa/5400Pa

**Packing list**

- Per Pallet
- 30Pieces
- Per Container (20' GP)
- 282Pieces

**Product Standard**

Product Performance	IEC61215
Product Safety	IEC61730

**UV Cure**



**Warranty**



**12**  
YEARS

Guarantee on product material and workmanship

**30**  
YEARS

Linear Power output warranty

