

FY N-TYPE 120M

MONO-FACIAL MODULE

460W-480W

IEC61215(2016), IEC61730(2016)
 ISO9001:2015: QUALITY MANAGEMENT SYSTEM
 ISO14001:2015: ENVIRONMENT MANAGEMENT SYSTEM
 ISO45001:2018: OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEMS



480W

Maximum Power Output

21.72%

Maximum Module Efficiency

0~+5W

Power Output Tolerance



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



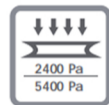
Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Enhanced Mechanical Load

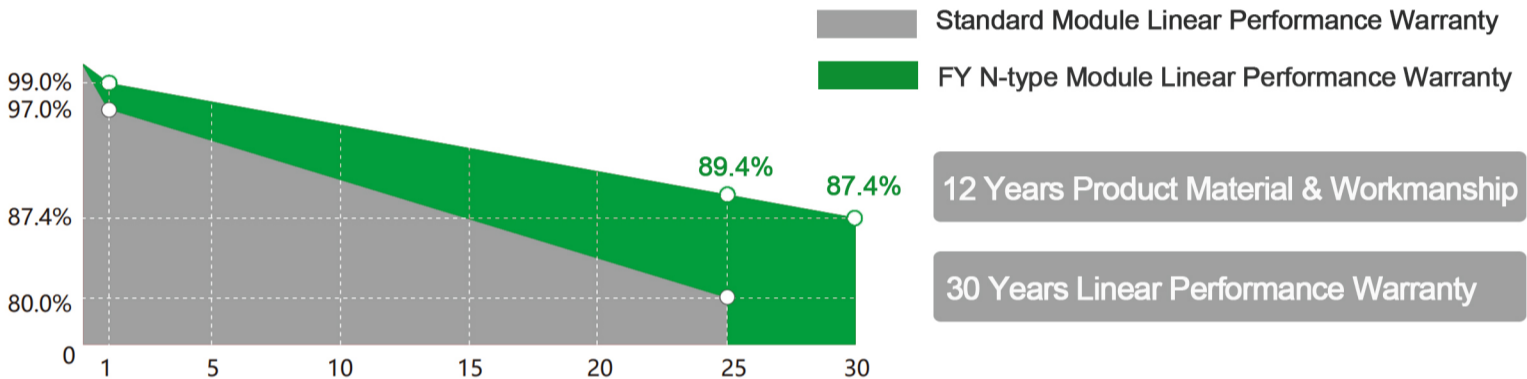
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

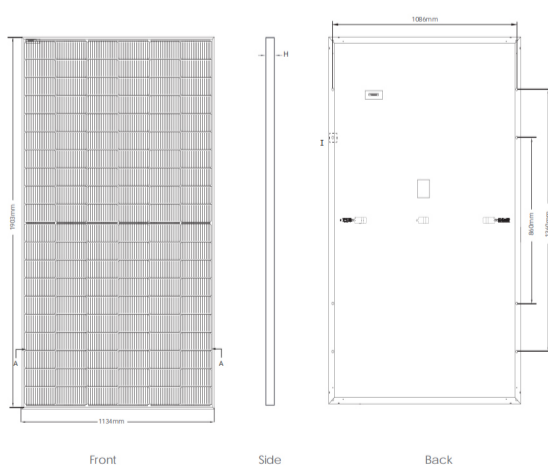
LINEAR PERFORMANCE WARRANTY



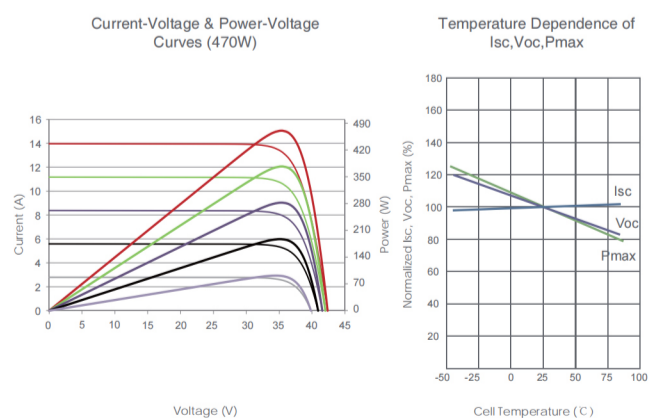
SPECIFICATIONS

Module Type	FYNP-460W		FYNP-465W		FYNP-470W		FY NP-475W		FYNP-480W	
	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC	STC	NOTC
Maximum Power (Pmax)	460Wp	346Wp	465Wp	350Wp	470Wp	353Wp	475Wp	357Wp	480Wp	361Wp
Maximum Power Voltage (Vmp)	34.72V	32.60V	34.89V	32.77V	35.05V	32.94V	35.21V	33.10V	35.38V	33.27V
Maximum Power Current (Imp)	13.25A	10.61A	13.33A	10.67A	13.41A	10.73A	13.49A	10.79A	13.57A	10.85A
Open-circuit Voltage (Voc)	42.05V	39.94V	42.22V	40.10V	42.38V	40.25V	42.54V	40.41V	42.71V	40.57V
Short-circuit Current (Isc)	13.99A	11.29A	14.07A	11.36A	14.15A	11.42A	14.23A	11.49A	14.31A	11.55A
Operating Temperature(°C)	-40°C~+85°C									
Maximum system voltage	1000/150VDC(IEC)									
Maximum series fuse rating	25A									
Power tolerance	0~+3°C									
Temperature coefficients of Pmax	-0.3%/°C									
Temperature coefficients of Voc	-0.25%/°C									
Temperature coefficients of Isc	0.046%/°C									
Nominal operating cell temperature (NOCT)	45±2°C									

Engineering Drawings



Electrical Performance & Temperature Dependence



Packaging Configuration

36pcs/pallets, 72pcs/stack, 864pcs/ 40'HQ Container

Mechanical Characteristics

Cell Type	N type Mono-crystalline
NO.of cells	120(6X20)
Dimensions	1903×1134×30mm (74.92×44.65×1.18 inch)
Weight	24.2 kg (53.35 lbs)
Front Glass	TUV 1X4.0mm ²
Junction Box	IP68Rated