

# 100W - 450W | FLEXIBLE SOLAR PANEL



## CONTACT US

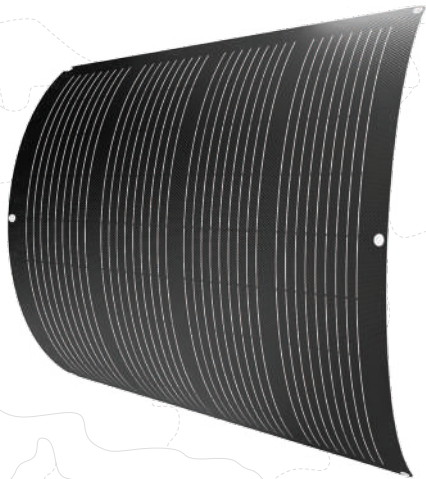
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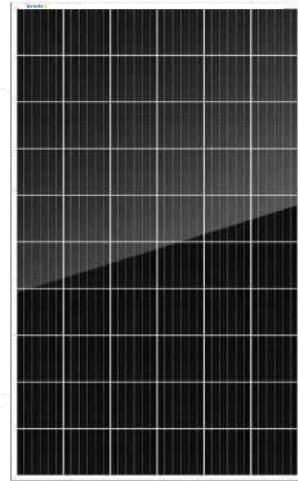
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V/S



### EFTE

**95%** Light Transmittance

**2.5MM** Thickness

**More Sunlight** Absorption

**Bendable** Maximum flexibility

**3.63kg/m<sup>2</sup>** Weight

**Easy** Installation (pre-drilled holes)

### GLASS

**90%** Light Transmittance

**30MM** Thickness

**Less Sunlight** Absorption

**Rigid** Not flexible

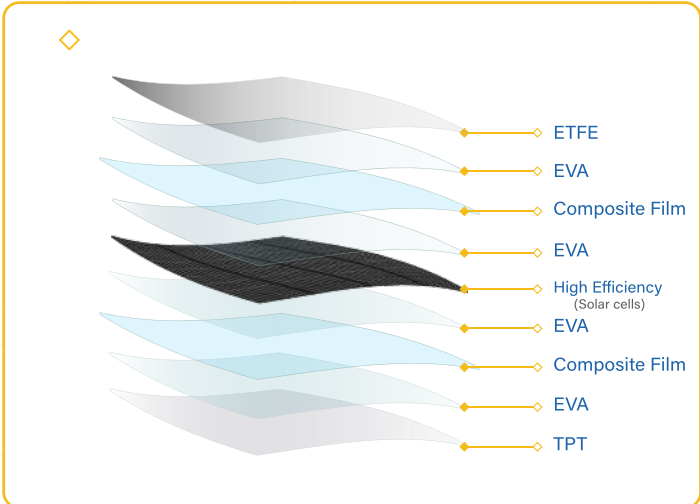
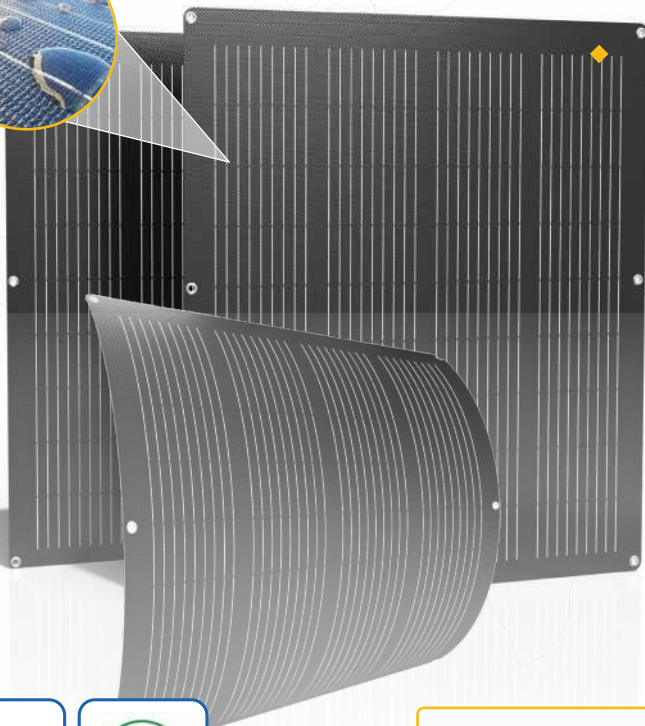
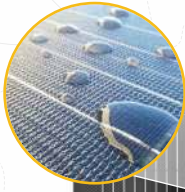
**10.5Kg/m<sup>2</sup>** Weight

**Need assistance** due to weight

## APPLICATION SCENARIO



**ETFE**  
waterproof material



**9 LAYERS** of top line materials  
for durability and longevity



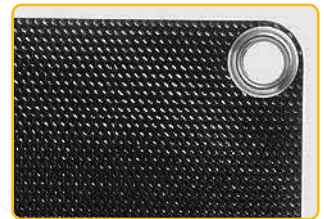
**5Y** PRODUCT WARRANTY  
**25Y** PRODUCT GUARANTEE



**IP67**  
Rated waterproof  
junction box

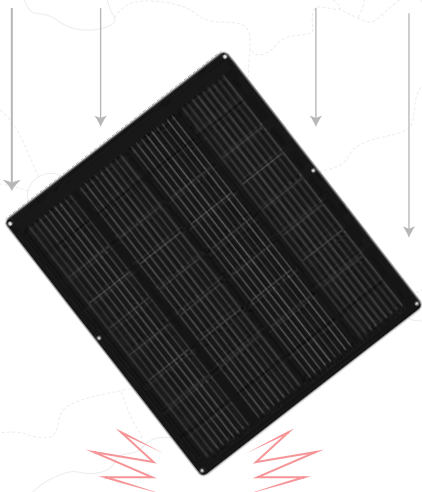


**Solar panel Connector**  
Connectors with cables

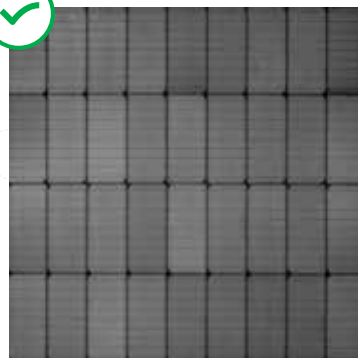


**Stainless Steel**  
Reinforced Mounting Holes

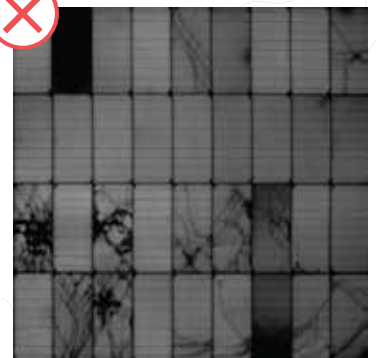
## ELECTROLUMINANCE TEST



Drop Test



**With PET material**  
(Cells remain intact, durability is assured)



**Without PET material**  
(Broken cells, poor durability)

# 800W

# SOLAR SYSTEM



**PV Cables**  
(4mm<sup>2</sup> red+black 3M+1M  
2 units)



**800W Micro inverter**  
(User Manual included)



**Tieback+zinc coat**  
(Fastener)



**Stainless steel Black**  
(Fastener)



**Inverter AC Cable**  
(2M)

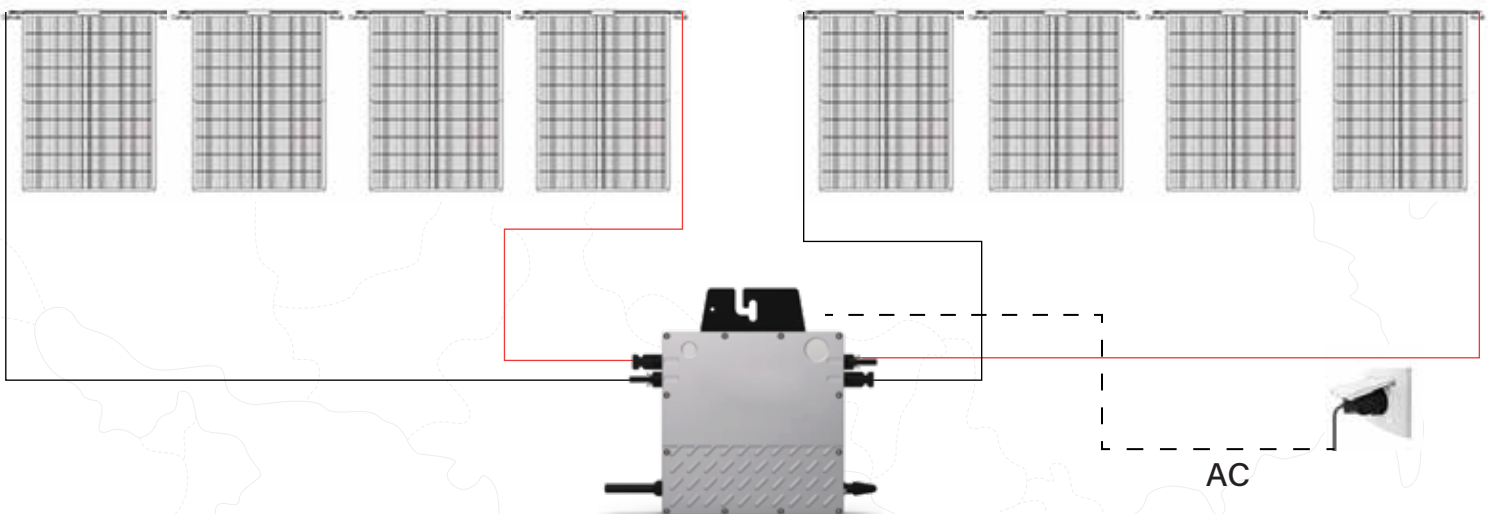
## PACKAGING SOLUTION

We provide a safe packaging solution that ensures product safety



The panels are layered together with styrofoam to avoid shipment complications and product safety

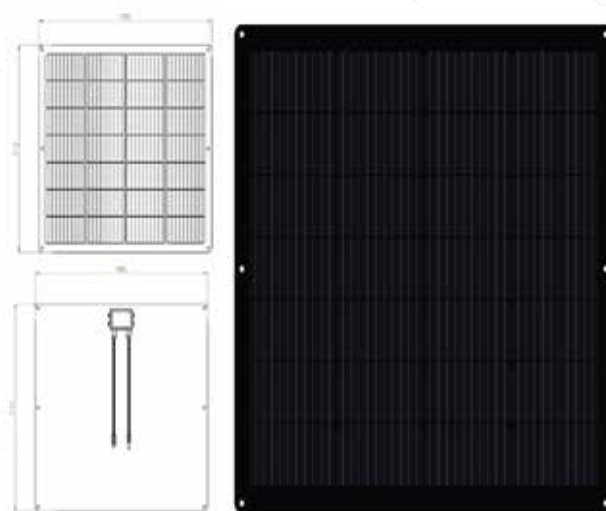
## 800W SOLAR SYSTEM SETUP



Every 4pcs x 200W or 8pcs x 100W flexible solar panels in series connection, then connect to micro inverter through two extension PV cables.

# FLEXIBLE SOLAR PANEL

## YH100W



### ELECTRICAL DATA

Model Type	YH100W-7M
Peak Power(Pmax)	100
Maximum Power Voltage(Vmp)	8.12V
Maximum Power Current(Impp)	12.32A
Open Circuit Voltage(Voc)	9.78V
Short Circuit Current(Isc)	13.39A
Module Efficiency(%)	17.72

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

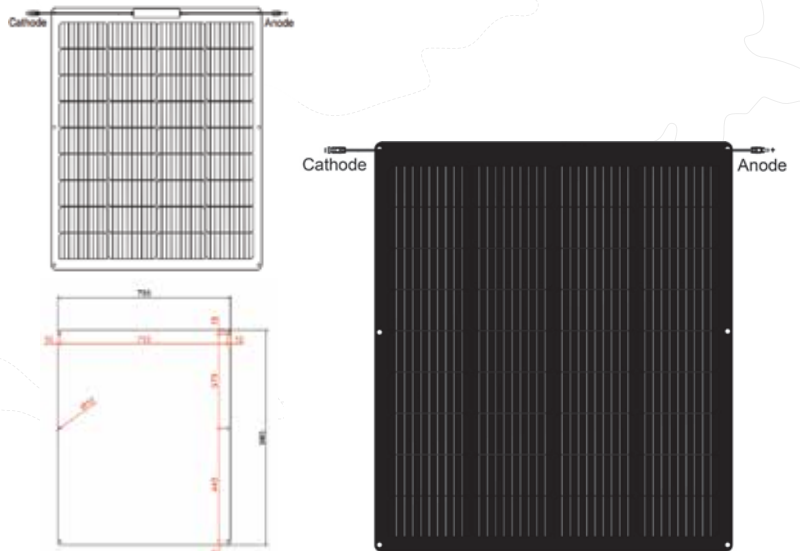
### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85

### MECHANICAL CHARACTERISTICS

Cell Type	182*91Mono
No. of Cells	28(4*7)
Dimensions	710*795*2.5mm
Weight	2.05kg
Junction box	IP65/IP67
Output cables	2.5mm <sup>2</sup> - 90cm cables + mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

# FLEXIBLE SOLAR PANEL YH105W-110W



## ELECTRICAL DATA

Model Type	YH105W-18M	YH110W-18M
Peak Power(Pmax)	105	110
Maximum Power Voltage(Vmp)	19.56V	20.12V
Maximum Power Current(Imp)	5.37A	5.47A
Open Circuit Voltage(Voc)	23.1	23.52
Short Circuit Current(Isc)	5.67	5.78
Module Efficiency(%)	17.69	17.83

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

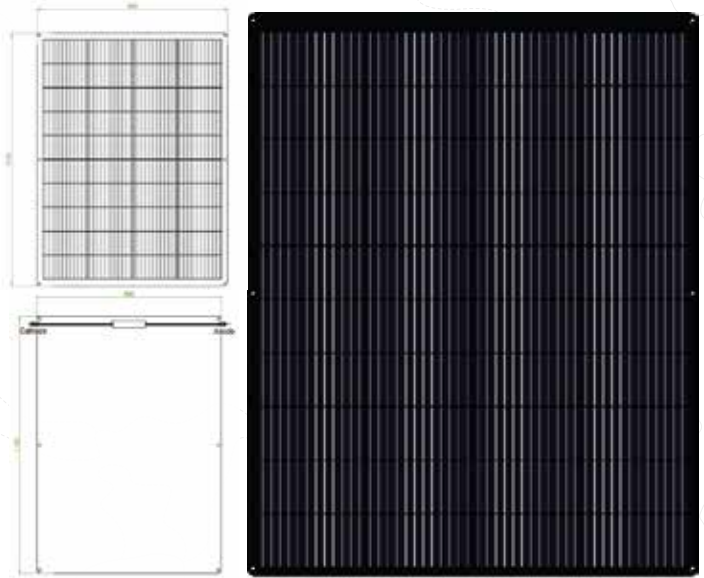
## THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85

## MECHANICAL CHARACTERISTICS

Cell Type	166*82Mono
No. of Cells	36(4*9)
Dimensions	730*845*2.5mm
Weight	2.3kg
Junction box	IP65/IP67
Output cables	2.5mm <sup>2</sup> cable 90cm+mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

# FLEXIBLE SOLAR PANEL YH200W-20M



## ELECTRICAL DATA

Model Type	YH200W-20M
Peak Power(Pmax)	200
Maximum Power Voltage(Vmp)	22.62V
Maximum Power Current(Impp)	8.85A
Open Circuit Voltage(Voc)	26.57V
Short Circuit Current(Isc)	9.36A
Module Efficiency(%)	19.8

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

## THERMAL CHARACTERISTICS & OPERATING CONDITIONS

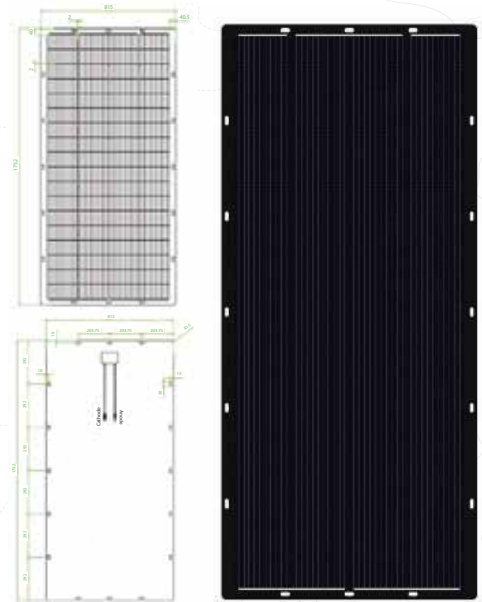
Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.330%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85

## MECHANICAL CHARACTERISTICS

Cell Type	210*105Mono
No. of Cells	40(4*10)
Dimensions	1130*900*2.5mm
Weight	3.7kg
Junction box	IP65/IP67
Output cables	2.5mm <sup>2</sup> - 50cm cables + mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

# FLEXIBLE SOLAR PANEL

## YH260W-36M



### ELECTRICAL DATA

Model Type	YH260W-36M
Peak Power(Pmax)	260
Maximum Power Voltage(Vmp)	40.87V
Maximum Power Current(Imp)	6.37A
Open Circuit Voltage(Voc)	47.51V
Short Circuit Current(Isc)	6.72A
Module Efficiency(%)	18.21

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

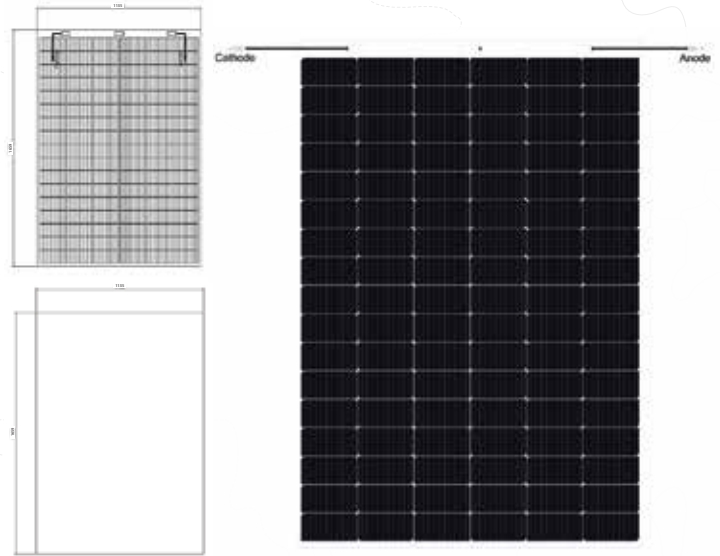
### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1000
Maximum Series Fuse Rating(A)	10
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85

### MECHANICAL CHARACTERISTICS

Cell Type	182*91Mono
No. of Cells	72(4*18)
Dimensions	1752*815*2.5mm
Weight	5.2kg
Junction box	IP65/IP67
Output cables	2.5mm <sup>2</sup> - 50cm cables + mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

# FLEXIBLE SOLAR PANEL YH370W-380W



## ELECTRICAL DATA

Model Type	YH370W-25.5M	YH375W-25.5M	YH380W-25.5M
Peak Power(Pmax)	370	375	380
Maximum Power Voltage(Vmp)	29.58V	29.84V	30.09V
Maximum Power Current(Imp)	12.51A	12.58A	12.63A
Open Circuit Voltage(Voc)	35.64	35.75	36.25
Short Circuit Current(Isc)	13.45	13.53	13.58
Module Efficiency(%)	19.91	20.18	20.45

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

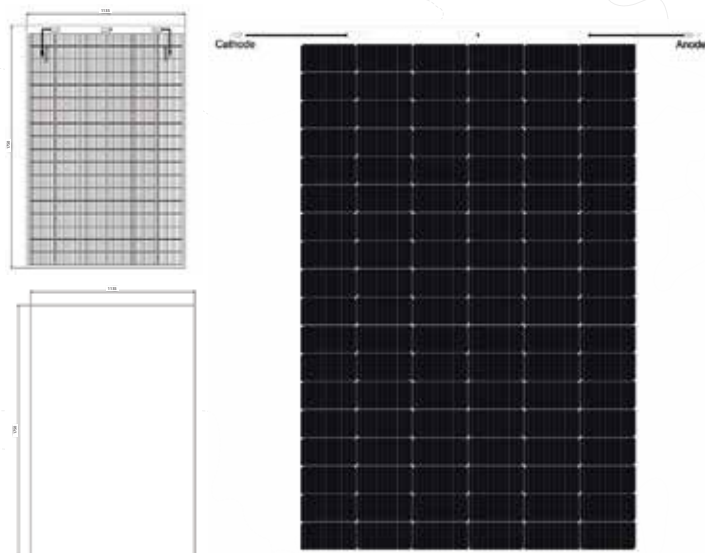
## THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1500
Maximum Series Fuse Rating(A)	20
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85

## MECHANICAL CHARACTERISTICS

Cell Type	182*91Mono
No. of Cells	102(6*17)
Dimensions	1659*1135*2.5mm
Weight	6.76kg
Junction box	IP65/IP67
Output cables	4mm <sup>2</sup> cable 30cm+mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

# FLEXIBLE SOLAR PANEL YH390W-410W



## ELECTRICAL DATA

Model Type	YH390W-27M	YH400W-27M	YH410W-27M
Peak Power(Pmax)	390	400	410
Maximum Power Voltage(Vmp)	31.32V	31.86V	32.13V
Maximum Power Current(Imp)	12.46A	12.56A	12.76A
Open Circuit Voltage(Voc)	37.51	37.93	38.25
Short Circuit Current(Isc)	13.4	13.51	13.58
Module Efficiency(%)	19.9	20.41	20.92

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

## THERMAL CHARACTERISTICS & OPERATING CONDITIONS

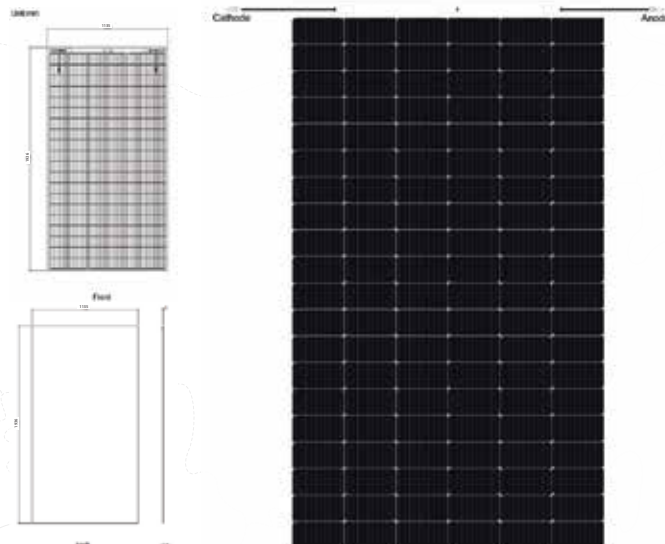
Maximum System Voltage(V)	1500
Maximum Series Fuse Rating(A)	20
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85

## MECHANICAL CHARACTERISTICS

Cell Type	182*91Mono
No. of Cells	108(6*18)
Dimensions	1750*1135*2.5mm
Weight	7.14kg
Junction box	IP65/IP67
Output cables	4mm <sup>2</sup> cable 30cm+mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

# FLEXIBLE SOLAR PANEL

## YH430W-450W



### ELECTRICAL DATA

Model Type	YH430W-30M	YH440W-30M	YH450W-30M
Peak Power(Pmax)	430	440	450
Maximum Power Voltage(Vmp)	35.53V	35.83V	36.32V
Maximum Power Current(Imp)	12.11A	12.29A	12.39A
Open Circuit Voltage(Voc)	47.37±3%	47.78±3%	48.43±3%
Short Circuit Current(Isc)	12.94±3%	13.21±3%	13.33±3%
Module Efficiency(%)	19.83	20.3	20.75

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

### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1500
Maximum Series Fuse Rating(A)	25
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.270%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40~+85

### MECHANICAL CHARACTERISTICS

Cell Type	182*91Mono
No. of Cells	120(6*20)
Dimensions	1936*1135*2.5mm
Weight	9kg
Junction box	IP68
Output cables	Customizable 4mm <sup>2</sup> cables + mc4
MaxWind Load/Snow Load	2400Pa/5400Pa