



## ELECTRICAL DATA(STC)

Model Type	YH420W-36M	YH430W-36M	YH435W-36M	YH440W-36M	YH450W-36M
Peak Power(Pmax)	420	430	435	440	450
Maximum Power Voltage(Vmp)	40.3	40.7	40.88	41.1	41.5
Maximum Power Current(Imp)	10.42	10.57	10.64	10.71	10.85
Open Circuit Voltage(Voc)	48	48.5	48.71	48.9	49.3
Short Circuit Current(Isc)	11.12	11.31	11.38	11.46	11.6
Module Efficiency(%)	19.32	19.78	20.01	20.24	20.7

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

## ELECTRICAL DATA(NOCT)

Peak Power(Pmax)	314	321	325	329	336
Maximum Power Voltage(Vmp)	37.52	37.9	38.06	38.3	38.6
Maximum Power Current(Imp)	8.37	8.47	8.54	8.6	8.7
Open Circuit Voltage(Voc)	44.96	45.5	45.7	45.8	46.2
Short Circuit Current(Isc)	8.99	9.15	9.22	9.27	9.38

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

## TEMPERATURE & MAXIMUM RATING

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	166x 83 Mono
No. of Cells	144(6x12)*2
Dimensions	2094x1038x40
Weight	24kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP68 3 diodes
Output cables	4mm <sup>2</sup> cable 30cm+mc4
MaxWind Load/Snow Load	2400Pa/5400Pa

## PACKING WAY

20FT	10 Packages/245PCS
40HQ	22 Packages/638PCS

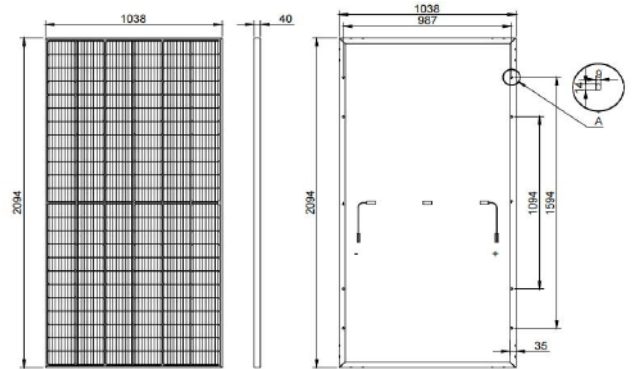
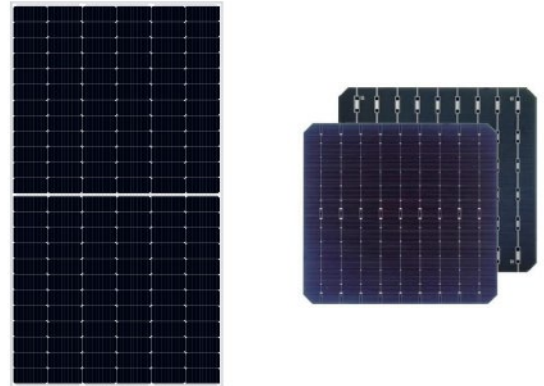
## QUALIFICATIONS AND CERTIFICATES



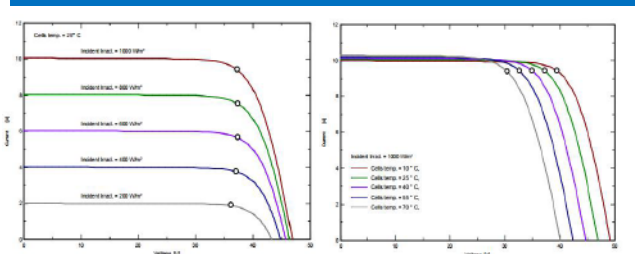
**12 YEARS** Guarantee on product material and workmanship

**25 YEARS** Linear Power output warranty

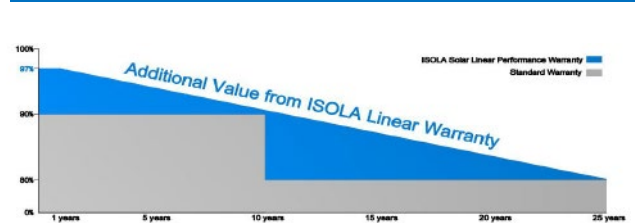
## PV DRAWINGS



## IV CURVE



## WARRANTY



Please Scan Code

STC Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM=1.5  
 NOCT Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5