

# SCL-430DH8N-108

# SUNCELL®

430 W<sub>+</sub> bifacial boost \*, 3.6 % light transmittance

## ELECTRICAL CHARACTERISTICS - STC\*

Nominal Power Watt P <sub>max</sub> (W)*	430
Power Output Tolerance P <sub>max</sub> (%)	+/- 3
Maximum Power Voltage V <sub>mp</sub> (V)	32.80
Maximum Power Current I <sub>mp</sub> (A)	13.11
Open Circuit Voltage V <sub>oc</sub> (V)	39.05
Short Circuit Current I <sub>sc</sub> (A)	13.79
Module Efficiency (%)	22.02

\*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, AM 1.5

\*Measuring tolerance: 2.8%

The effective additional power provided by the bifaciality of the modules depends on several factors (albedo, space between the modules, tilt and distance between modules and ground/roof). It can reach up to 30% with ideal conditions.

## ELECTRICAL CHARACTERISTICS - NMOT\*

Maximum Power P <sub>max</sub> (Wp)	325
Maximum Power Voltage V <sub>mpp</sub> (V)	30.72
Maximum Power Current I <sub>mpp</sub> (A)	10.58
Open Circuit Voltage V <sub>oc</sub> (V)	36.55
Short Circuit Current I <sub>sc</sub> (A)	11.04

\*NMOT (Test Condition): Irradiance 800W/m<sup>2</sup>, cell Temperature 20°C, AM 1.5 wind speed 1m/s.

## MECHANICAL DATA

Solar cells	N Type Monocrystalline Cell
Cells orientation	108 (6×18)
Module dimension	1722x1134x30mm
Weight	24.0kg
Front Glass/Rear Glass	2.0mm High Transmission AR Tempered Glass/2.0mm Semi-Tempered Glass
Junction box	IP 68, 3 diodes
Cables	4 mm <sup>2</sup> , ±1200 mm, length can be customized
Frame	Anodized aluminum alloy frame

## TEMPERATURE RATINGS

NMOT	45°C ±2°C
Temperature coefficient of P <sub>max</sub>	-0.30%/°C
Temperature coefficient of V <sub>oc</sub>	-0.25%/°C
Temperature coefficient of I <sub>sc</sub>	+0.0046%/°C

## WORKING CONDITIONS

Maximum system voltage	1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	30A
Maximum load (snow/wind)	5400 Pa / 2400 Pa

\*Do not connect Fuse in Combiner Box with two or more strings in parallel connection

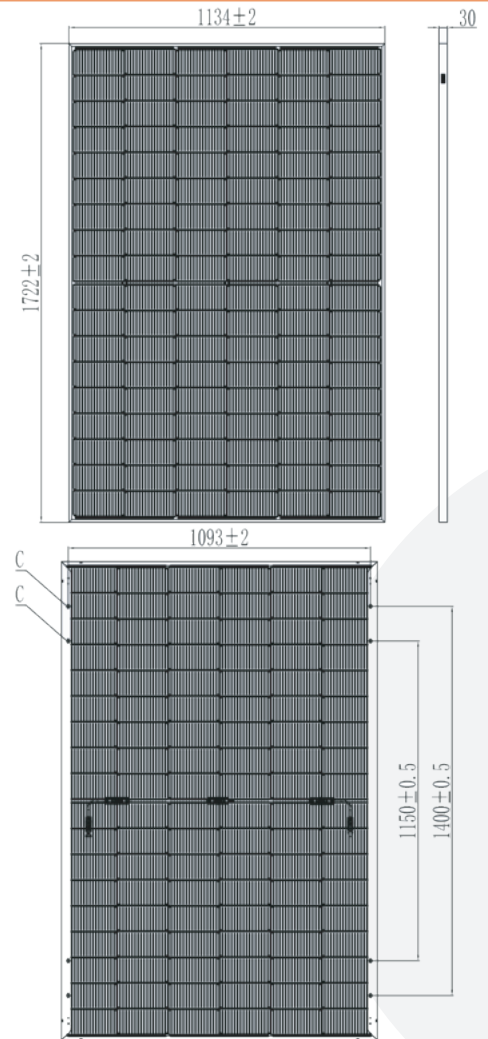
## PACKAGING CONFIGURATION

Piece/Pallet	36
Piece/Container(40HQ)	936

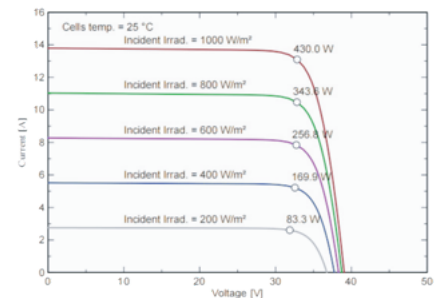


scan to check validity

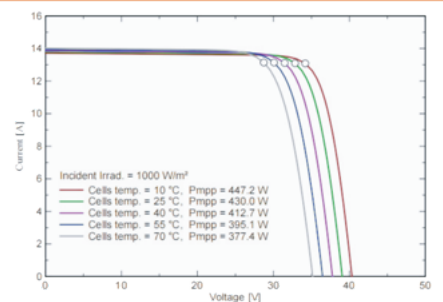
## DIMENSIONS (mm)



## I - V CURVES OF MODULE



## P - V CURVES OF MODULE



15 years product warranty

30 years performance warranty