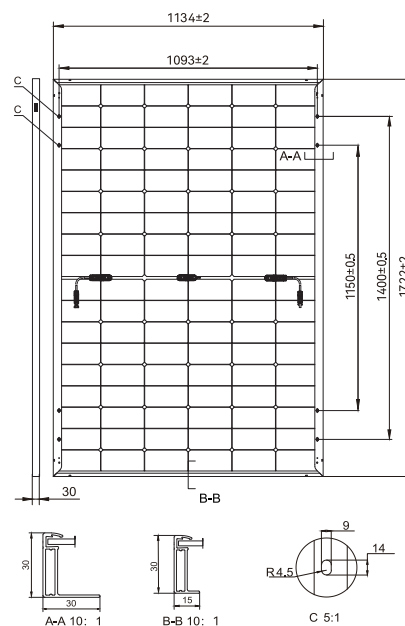


ANTIFLECTIVE GLASS

22.53%  
efficiency

HPBC  
CELLS

Totally  
Black



## ELECTRICAL CHARACTERISTICS

	STC	NMOT
Maximum Power - Pm (W)	440	328.70
Open Circuit Voltage - Voc (V)	40.25	37.79
Short Circuit Current - Isc [A]	13.85	11.18
Maximum Power Voltage - Vm [V]	33.87	30.90
Maximum Power Current - Im [A]	12.99	10.64
Module Efficiency - η [%]	22.53	

Note: 1. Standard Test Conditions (STC): irradiance 1000 W/m<sup>2</sup>; AM 1.5; cell temperature 25°C according to EN 60904-3;  
2. NMOT: Irradiance 800 W/m<sup>2</sup>; wind speed 1 m/s, ambient temperature 20°C;  
3. Tolerance of Pm: +/-3%, Measuring uncertainty of power: +/-3%, Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: +/-3%

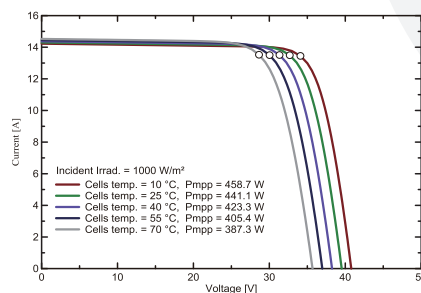
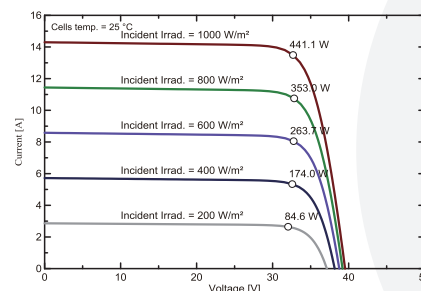
## MECHANICAL PARAMETERS

Dimensions	1722 x 1134 x 30 mm
Weight	22.5 kg
Glass	Structure Glass 2.0mm + 1.6mm
Frame	Anodized Aluminium Alloy
Cells	Half-Cell HPBC Mono Black
Number of Cells	108 (6x18)
Junction Box	IP 68 (3 Diode)
Cable	TUV 1x4.0 mm <sup>2</sup> , (+):1200mm/(-):1200mm or Customized Length
Connector	Staubli MC4 EVO 2A

## MAXIMUM RATINGS

Maximum System Voltage [V]	1500V DC (IEC)
Limiting Reverse Current [A]	30
Maximum Surface Load Capacity [Pa]	Front 6000 / Back 3600
Temperature Range [°C]	-40 ~ +85
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m/s
Power Tolerance	±3%

## I-V CURVE



## TEMPERATURE PARAMETERS

NOCT	45°C (±2°C)
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Pm	-0.29%/°C

## PACKAGING CONFIGURATION

Packing Type	40'HQ
Piece / Pallet	36
Piece / Container	936

15 years product warranty

30 years performance warranty

