

MONOFACIAL /HJT /SWCT

Design A (silver frame / white backsheet) Design B (black frame / white backsheet) Design C (black frame / black backsheet)







IEC 61215
IEC 61730
Regular Production
Surveillance

www.tuv.com
ID 1111210078

TÜVRheinland
CERTIFIED



The most up to date datasheet is available at: www.hanplast.solar











SW PREMIUM SLIM (HJT)



Minimal LID & PID effect

 HJT cells based on N-type monocrystalline silicon are highly resistant to this effect



HJT Technology

- Highest HJT cell efficiency 23-24%
- The lowest average cost of electricity



Highest guarantee

- Only 0.45% of annual degradation
- 12-years product warranty
- 30 years of linear performance guarantee*
 At least 85% output after 30 years
 - * 98.05% in the first year; after the first year -0.45% / year; 87.25% after 25 years.



SMARTWIRE Connection Technology (SWCT)

- Very high external performance of HJT / SWCT modules
- Innovative and patented Foil-Wire electrode concept (dense matrix) proven anti-hotspot guarantee
- Highest energy yield thanks to an excellent temperature coefficient of -0.29%/C



Durability

- SWCT reduces the impact of cell breakage by increasing the number of current collection pathways
- Increased fire protection due to dense SmartWire connections



Nature Friendly

- Freon and lead free production
- An efficient and energy-saving production process

SW PREMIUM SLIM (HJT) 315-325W MECHANICAL DATA

315W		
Maximum Power	Pmax	315 [W]
Maximum Power Point Voltage	Vmpp	36.3 [V]
Maximum Power Point Current	Impp	8.7 [A]
Open Circuit Voltage	Voc	44.1 [V]
Short Circuit Current	Isc	9.2 [A]
Module Efficiency		18.8 [%]
Fill Factor		78 [%]
Power tolerance	·	0/+5W

320W		
Maximum Power	Pmax	320 [W]
Maximum Power Point Voltage	Vmpp	36.9 [V]
Maximum Power Point Current	Impp	8.7 [A]
Open Circuit Voltage	Voc	44.2 [V]
Short Circuit Current	Isc	9.2 [A]
Module Efficiency		19.1 [%]
Fill Factor		79 [%]
Power tolerance		0/+5W



325W			
Maximum Power	Pmax	325	[W]
Maximum Power Point Voltage	Vmpp	36.9	[V]
Maximum Power Point Current	Impp	8.8	[A]
Open Circuit Voltage	Voc	44.2	[V]
Short Circuit Current	Isc	9.2	[A]
Module Efficiency		19.4	[%]
Fill Factor		80	[%]
Power tolerance		0/+5	W



Dimensions [mm]	1672x1002x35mm x/y: (+/- 1.2 mm) z: (+/- 0.2 mm)	
Glass thickness	3.2 mm Tempered glass with ARC coating	
Weight	18,5 kg	
Laminate structure	Glass / TPO/ Cells / TPO / Isolation foil	
Cell type	monocrystalline - HJT N-Typ c-Si	
Cell connection technology	SmartWire Connection Technology (SWCT)	
Quantity of cells	60	

ELECTRICAL SPECIFICATION

Electrical characteristics in the range +/- 3% of the values given: Pmax, Voc, Isc, determined in Standard Test Conditions (1000 W / m2, 25 ° C, AM 1.5 in accordance with EN 60904-3)

Junction box	Tyco with 3 bypass diodes
Maximum system voltage	1000 V
Maximum number of modules in a row	19
Reverse current overload	20 A
External cable conductor's cross section	4 mm²

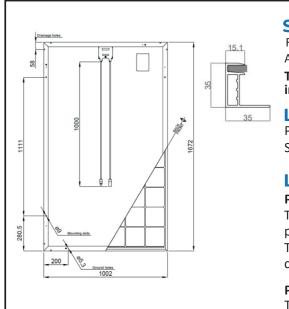
TEMPERATURE COEFFICIENTS

a (Isc)	+0.03 %/C
β (Uoc)	-0.221 %/C
γ (Pmpp)	-0.29 %/C

Each module has accurate information about its actual output power located on the module label

(P_{Act})

Performance based on standard test conditions (STC): 1000 W / m2, 25 ° C, AM 1.5 according to EN 60904-3



SECURITY

Fire classification:

The fire classification of the module is important when the module is installed as specified in the installation instructions.

Pressure load (snow): ______5400 N/m2 Suction load (wind): 2400 N/m2

LOGISTICS

Packaging - Carton Box The quantity of product 30 per crate

The quantity of product per container (40ft HC)_____ 840

Packaging – EckPack

The quantity of product per pallet Eck Pack ___35 The quantity of product per container ____ 525

Storage factor

Static Dynamic_____ 1+1

Storage factor

Static 1+0 1+0 Dynamic