

MONOFACIAL /HJT /SWCT

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



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



przy współpracy z
MEYER BURGER

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

315W

Maximum Power	P _{max}	315 [W]
Maximum Power Point Voltage	V _{mpp}	36.3 [V]
Maximum Power Point Current	I _{mp}	8.7 [A]
Open Circuit Voltage	V _{oc}	44.1 [V]
Short Circuit Current	I _{sc}	9.2 [A]
Module Efficiency		18.8 [%]
Fill Factor		78 [%]
Power tolerance		0/+5W

320W

Maximum Power	P _{max}	320 [W]
Maximum Power Point Voltage	V _{mpp}	36.9 [V]
Maximum Power Point Current	I _{mp}	8.7 [A]
Open Circuit Voltage	V _{oc}	44.2 [V]
Short Circuit Current	I _{sc}	9.2 [A]
Module Efficiency		19.1 [%]
Fill Factor		79 [%]
Power tolerance		0/+5W

325W

Maximum Power	P _{max}	325 [W]
Maximum Power Point Voltage	V _{mpp}	36.9 [V]
Maximum Power Point Current	I _{mp}	8.8 [A]
Open Circuit Voltage	V _{oc}	44.2 [V]
Short Circuit Current	I _{sc}	9.2 [A]
Module Efficiency		19.4 [%]
Fill Factor		80 [%]
Power tolerance		0/+5W

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MECHANICAL DATA

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: P_{max}, V_{oc}, I_{sc}, 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 mm ²

TEMPERATURE COEFFICIENTS

α (I _{sc})	+0.03 %/C
β (U _{oc})	-0.221 %/C
γ (P _{mp})	-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: _____ Type 2

Application class: _____ A

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

LOAD

Pressure load (snow): _____ 5400 N/m²

Suction load (wind): _____ 2400 N/m²

LOGISTICS

Packaging - Carton Box

The quantity of product per crate _____ 30

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

Storage factor

Static _____ 1+1

Dynamic _____ 1+1

Packaging – EckPack

The quantity of product per pallet Eck Pack _____ 35

The quantity of product per container _____ 525

Storage factor

Static _____ 1+0

Dynamic _____ 1+0

