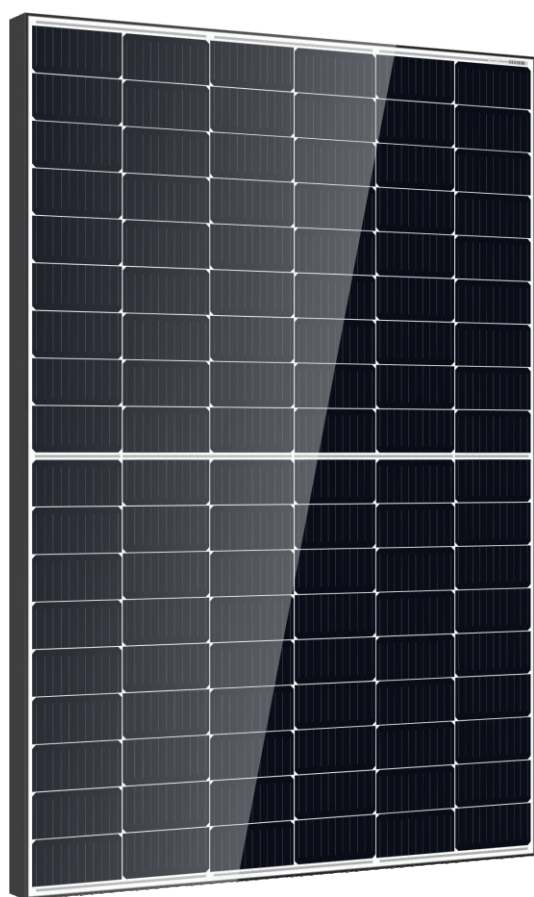


**Polish producer
of PV modules**

*Half cut monocrystalline cells, white backsheet,
anodised aluminum black frame.*



Premium quality



Stäubli MC4 connectors



12-year product warranty



25 Years Linear Power Output Warranty



Polish warranty



Longer cable for horizontal installation



Lower shipping costs



Half cut technology

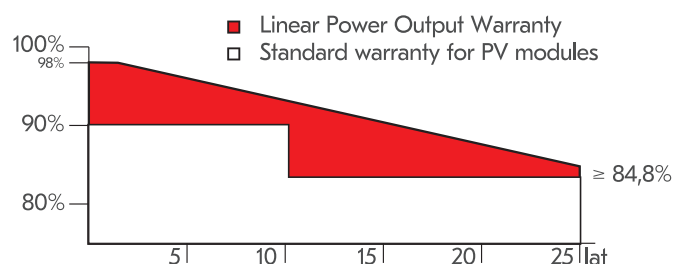


Universal module dimension



WARRANTY

- 25 Years Linear Power Output Warranty no less than 84.8%
- 12 years Manufacturers Warranty



Polish producer
of PV modules

Half cut monocrystalline cells, white backsheet,
anodised aluminum black frame.

MECHANICAL DATA

cell arrangement	108 (6 x 18)
module structure	Glass/Encapsulant/Backsheet
glass thickness	2.8 mm
PV module classification	Class II
junction box rating	IP68
cables	4 mm ² ; 1100mm
conector type	PV-ZH202B lub MC4 (1000V) PV-ZH202B lub MC4-EVO 2A (1500V)
fire class rating	C

MAXIMUM RATINGS

operational temperature	-40°C to +85°C
maximum load capacity	Snow 5400Pa/ Wind 2400Pa
maximum system voltage	1000V/1500V DC (IEC)
max. series fude rating	25A
diodes	3

TEMPERATURE CHARACTERISTICS

nominal module operating temperature (NOCT)	42°C ± 3°C
temperature coefficient of Isc	+ 0.0448%/°C
temperature coefficient of Voc	- 0.246%/°C
temperature coefficient of Pmax	- 0.330%/°C

PACKAGING

module dimensions (mm)	1708 x 1134 x 30
weight (kg):	19,5
pallet dimensiozn (mm)	1750 x 1140 x 1250
container	40' HQ
pieces per pallet	36
pallets per container	26
modules per container	936
gross weight per pallet (kg)	734
gross weight per container (kg)	19084

ELECTRICAL SPECIFICATIONS (STC)*

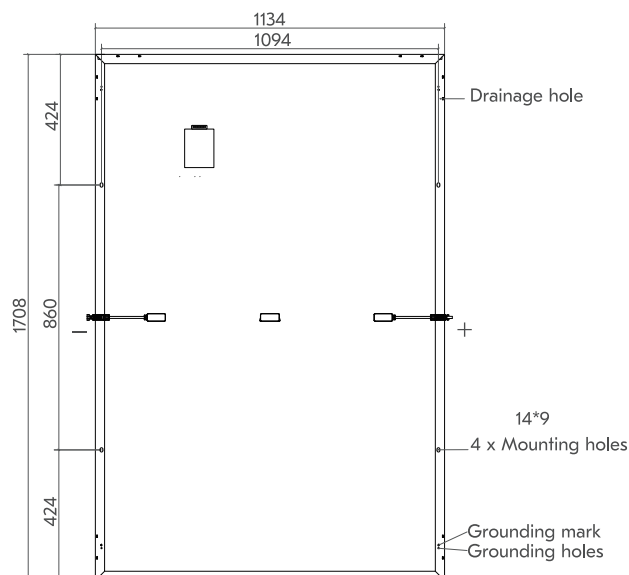
maximun power - Pmax (Wp)	410
power tolerance	0 - 3%
maximum power current - Imp (A)	13,20
maximum power voltage - Vmp (V)	31.09
short-circuit current - Isc (A)	14.06
open-circuit voltage - Voc (V)	37.33
module efficiency	21,17%

ELECTRICAL SPECIFICATIONS (NOCT)*

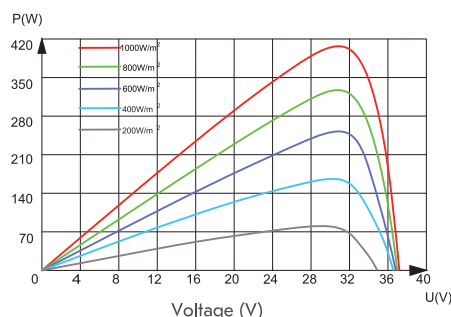
maximun power - Pmax (Wp)	311
maximum power current - Imp (A)	10,47
maximum power voltage - Vmp (V)	29.72
short-circuit current - Isc (A)	11.28
open-circuit voltage - Voc (V)	35.46

*STC irradiance of 1000W/m² spectrum AM 1,5 and cell temperature of 25°C.

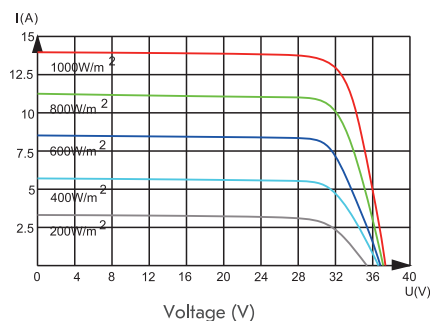
*NOCT irradiance of 800W/m² spectrum AM 1,5; Ambient Temperature of 20°C; Wind Speed 1 m/s.



POWER-VOLTAGE CURVE (410W)



CURRENT-VOLTAGE CURVE (410W)



Due to technological progress, product parameters will be adjusted accordingly; When signing the contract, the latest data of the company shall prevail.

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