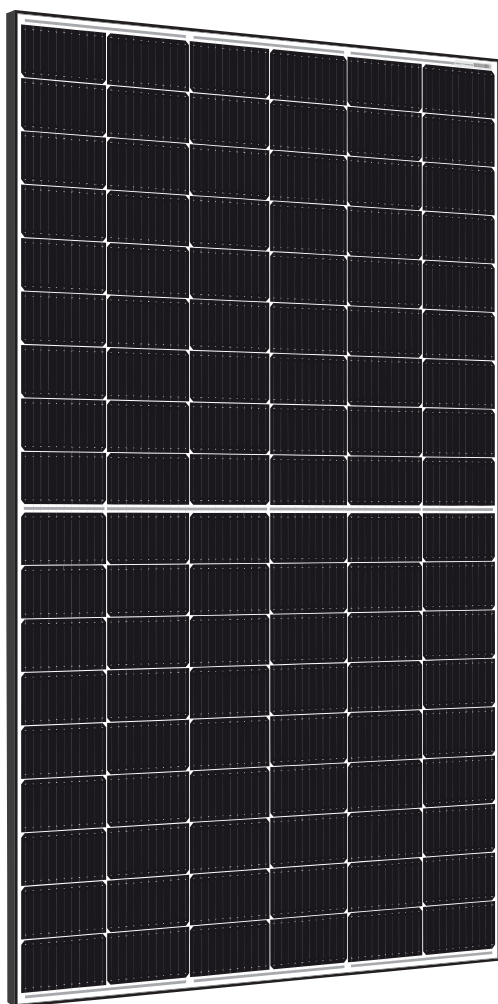


Polish producer  
of PV modules

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

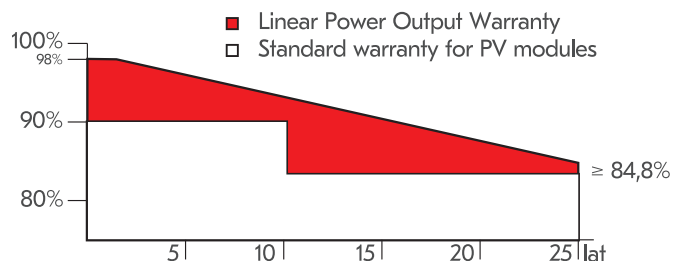


Universal module dimension



### 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**

<b>cell arrangement</b>	108 (6 x 18)
<b>module structure</b>	Glass/Encapsulant/Backsheet
<b>glass thickness</b>	2.8 mm
<b>PV module classification</b>	Class II
<b>junction box rating</b>	IP67 / IP68
<b>cables</b>	4 mm <sup>2</sup> ; 1100mm
<b>conector type</b>	Stäubli MC4
<b>fire class rating</b>	C

**MAXIMUM RATINGS**

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

**TEMPERATURE CHARACTERISTICS**

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

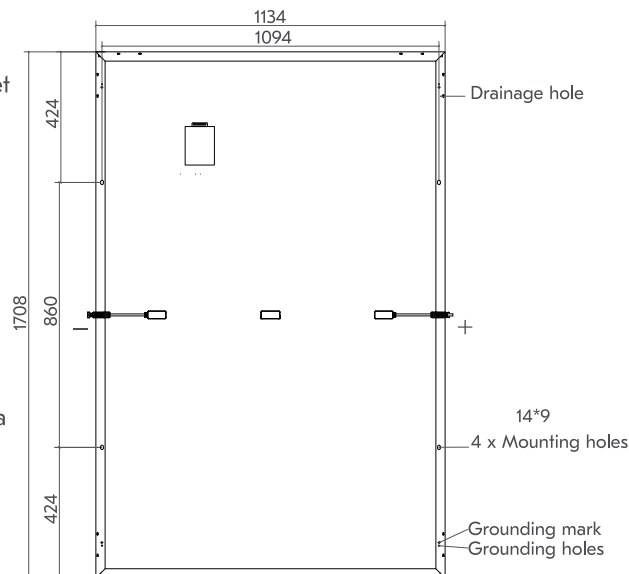
**PACKAGING**

<b>module dimensions (mm)</b>	1708 x 1134 x 30
<b>weight (kg):</b>	20
<b>pallet dimensions (mm)</b>	1805 x 1130 x 1175
<b>container</b>	40' HQ
<b>pieces per pallet</b>	36
<b>pallets per container</b>	26
<b>modules per container</b>	936
<b>gross weight per pallet (kg)</b>	756
<b>gross weight per container (kg)</b>	19656

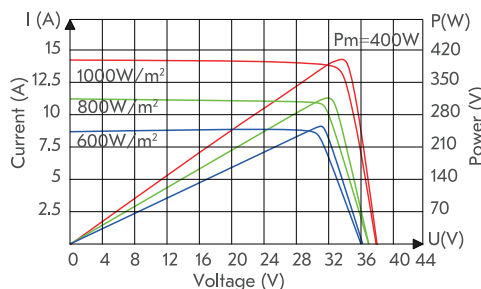
**ELECTRICAL SPECIFICATIONS (STC)\***

<b>maximun power - Pmax (Wp)</b>	405
<b>power tolerance</b>	0 - 3%
<b>maximum power current - Imp (A)</b>	13.28
<b>maximum power voltage - Vmp (V)</b>	30.52
<b>short-circuit current - Isc (A)</b>	13.68
<b>open-circuit voltage - Voc (V)</b>	37.33
<b>module efficiency</b>	20.91%

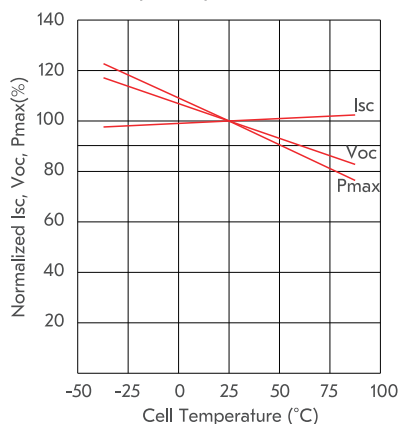
\*STC irradiance of 1000W/m<sup>2</sup> spectrum AM 1,5 and cell temperature of 25°C.



**CURRENT-VOLTAGE & POWER-VOLTAGE CURVE**



**TEMPERATURE DEPENDENCE OF ISC, VOC, PMAX (°C)**



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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