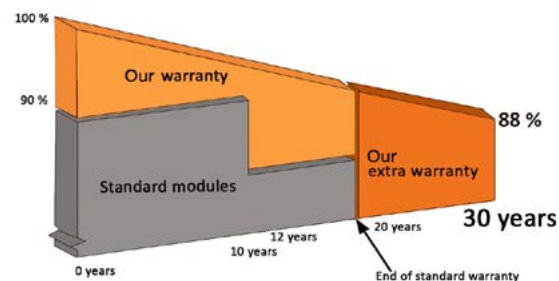


M108-HC - 410 Wp

OEM production by Ningbo Ulica Solar Co., Ltd.

- **High Efficiency through half cut cells**
21% Module Efficiency (STC)
- **Powerful Module with Frame**
- **Extended Warranty**
20 years product warranty, 30 years power output warranty
- **Best suitable for large PV Power Plant Projects and Rooftop installations**



DIMENSIONS: 1722 x 1134 x 30 mm

with frame



12% more power than conventional modules



Lower power degradation
Lower internal current
Lower hot spot temperature



Cell crack risk limited in a small region, enhance the module reliability



Outstanding mechanical load resistance
3800 Pa wind load, 5400 Pa snow load



High performance under low light conditions
cloudy days, rainy days



Double EL test before and after lamination
highly control the micro cracks and invisible defects



World famous insurance
CHUBB (USA), Solar Insurance & Finance (Netherlands)

International Certificates:

- IEC 61215, IEC 61730
- ISO 9001: 2015 (Quality management systems)
- ISO14001: 2015 (Environmental management systems)
- OHSAS 18001: 2015 (Occupational health and safety)

M108-HC (410 Wp)

monocrystalline halfcut cells

Electrical Specification (STC)

Maximum Power at (Pmax)	410 Wp
Optimum Operating Voltage (Vmp)	31.4 V
Optimum Operating Current (Imp)	13.06 A
Open Circuit Voltage (Voc)	37.4 V
Short Circuit Current (Isc)	13.81 A
Module Efficiency	21 %
Maximum System Voltage	1500 V DC (IEC)
Operating Module Temperature	-40 °C to +85 °C
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W
Nominal Operating Cell Temperature (NOCT)	43±2°C
Temperature Coefficient of Pmax	-0.36 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.049 %/°C

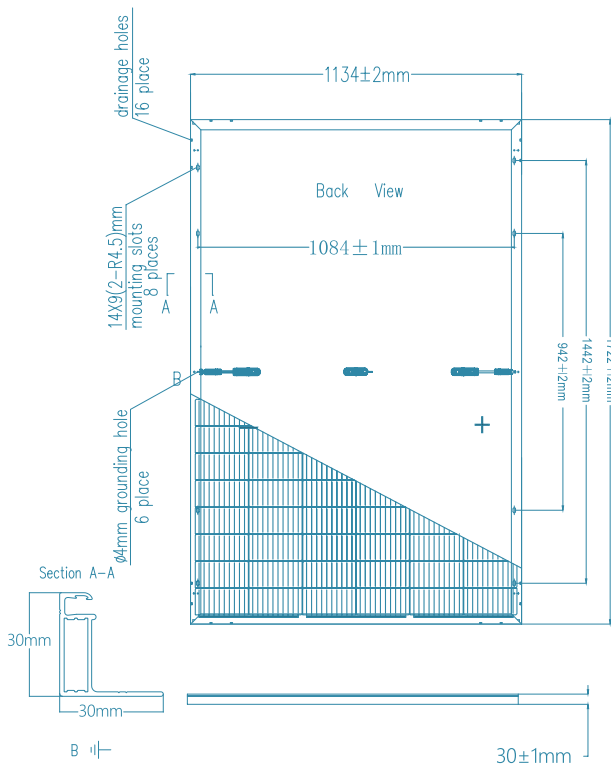
Mechanical Specification

Solar Cell	M10: 182 x 91 mm monocrystalline halfcut
No. of Cells	108 (6 x 18)
Dimensions Size 1	1722 x 1134 x 30 mm (with frame)
Weight Size 2	21.8 kg
Front Cover	3.2 mm low-iron tempered glass
Junction Box	IP68 rated (three bypass diodes)
Output Cables	4.0 mm ² , symmetrical lengths (400 mm)
Connectors	MC4 compatible
Fire Safety Class	Class C

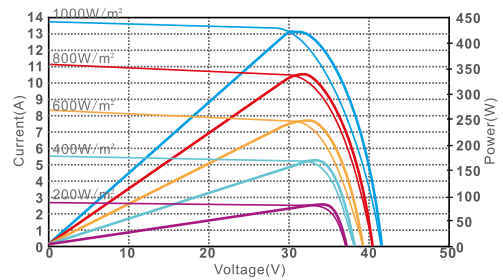
Packing Configurations

Pieces per pallet	36
-------------------	----

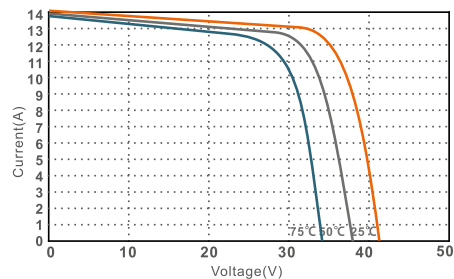
Technical Drawings



I-V characteristics at different irradiances



I-V characteristics at different temperature



Certificates



Distributor:
GridParity AG - next generation photovoltaic
Ohmstr. 7, 85757 Karlsfeld
Germany