

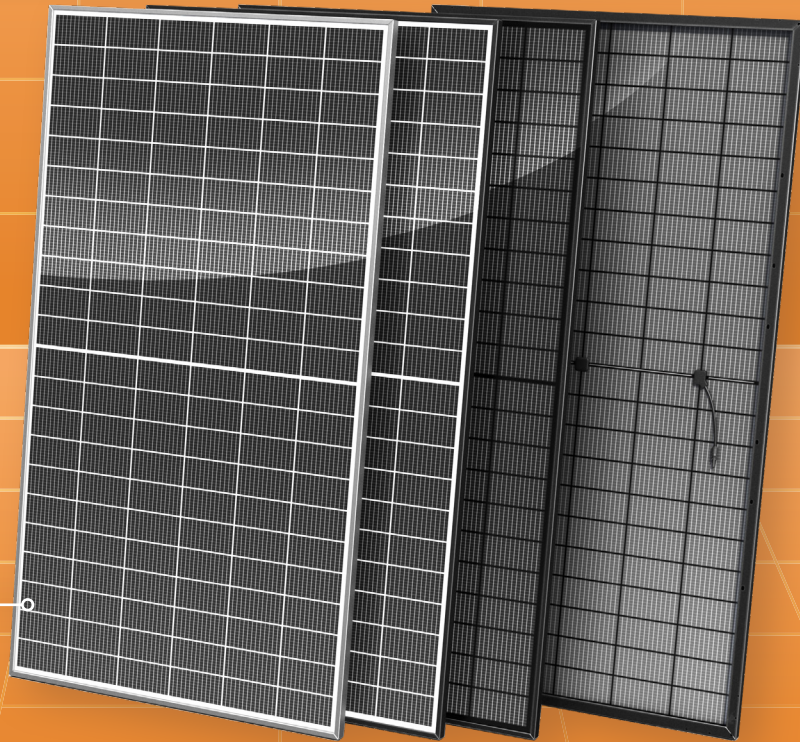
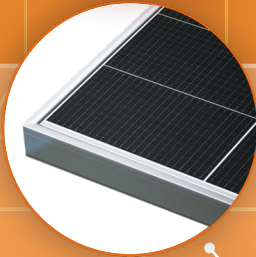
STANDARD SOLAR PANELS

GermanSolar's standard solar panels are high efficiency, convenient, and easy to use



GermanSolar
The Partner For Your Solar Lifetime®

OBB



BIFACIAL HELIOSLINE MAX G12 132 MONO CELL SOLAR PANELS

GSM-710W 715W 720W 725W 730W

GermanSolar is a specialist in customization, introducing colored glass, frames, and back-sheet material and shapes to aesthetically match your ideas with the prospective application. With innovative technology and design, GermanSolar offers high quality modules with enhanced aesthetic appearance for building structures and facades. By providing outstanding customization options, GermanSolar supports your required project needs with colored and shaped panels of your choice, and consults with you in choosing the right size, thickness, shape, and color to complement the design of your application and your building.

FEATURES



HJT OBB Technology -
Shorter current transport
path, better low-light
performance and higher
power generation



Positive power of
up to +5.00 Wp



Hail test :
IEC 61215-2:2021
Φ45mm, 30.7m/s



Withstands wind
loads up to 2400Pa
/ heavy snow loads
up to 5400Pa



Sealing with PIB:
Stronger moisture
resistance, greater air
impermeability to extend
module lifespan.



High ammonia &
salt mist resistant
certified and PID-
free



EL tested and micro
cracks inspected



15-year limited
product warranty



30-year linear
performance
warranty



ISO 9001
ISO 14001
ISO 45001
ISO 26000
ISO 19600



RoHS



IEC 61730-1
IEC 61730-2, IEC 61215-1,
IEC 61215-2 and IEC 61215-1-1



EN IEC 61730:
PHOTOVOLTAIC (PV) MODULE
SAFETY QUALIFICATION
2014/35/EU:
THE LOW VOLTAGE DIRECTIVE

STANDARD SOLAR PANELS

ELECTRICAL DATA *

Nominal Max. Power (P _{max}) * (W)	710	715	720	725	730
Open Circuit Voltage (V _{oc}) (V)	49.97	50.07	50.17	50.27	50.37
Short Circuit Current (I _{sc}) (A)	17.99	18.08	18.17	18.26	18.35
Max. Power Voltage (V _{mpp}) (V)	41.96	42.05	42.14	42.25	42.32
Max. Power Current (I _{mp}) (A)	16.93	17.02	17.10	17.18	17.26
Module Efficiency (%)	22.85	23.01	23.17	23.33	23.50
Power Tolerance (%)	± 3				
Power Temperature Coefficient γ	-0.24 % / °C				
Current Temperature Coefficient α	+0.04 % / °C				
Voltage Temperature Coefficient β	-0.22 % / °C				

*STC: Irradiance 1000 W / m², cell temperature 25 °C, AM = 1.5, Tolerance of P_{max} is within + / - 3 %.

BNPI * *

Nominal Max. Power (P _{max}) * (W)	796	801	807	813	818
Open Circuit Voltage (V _{oc}) (V)	50.14	50.24	50.34	50.44	50.54
Short Circuit Current (I _{sc}) (A)	20.18	20.28	20.38	20.48	20.58
Max. Power Voltage (V _{mpp}) (V)	42.11	42.20	42.29	42.38	42.47
Max. Power Current (I _{mp}) (A)	18.91	19.00	19.10	19.19	19.28
NMOT (Nominal Module Operating Temperature) (°C)	41 ± 3				

**BSTC: Front side irradiation 1000 W / m², back side reflection irradiation 135 W / m², AM = 1.5, ambient temperature 25 °C.

MECHANICAL DATA

Dimensions (mm)	2384 x 1303 x 33
Weight (kg)	37.9 (2.0 mm glass) or 35.9 (1.6 mm glass)
Solar Cells (mm)	HJT Mono 182 × 105 OBB
Front Glass	2.0 mm glass or 1.6 mm glass
Back Glass	2.0 mm glass or 1.6 mm glass
Frame	Anodised aluminum alloy
Junction Box	IP68, 3 diodes
Cables	300 mm in length (customizable) / UV resistant
Connectors	MC4 original / MC4 compatible

PACKAGING

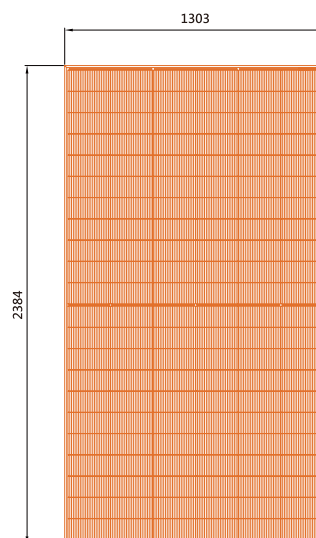
Panels Per Pallet (pcs)	33
Pallets Per Container (pcs)	18
Panels quantity per 40' container (pcs)	594

OPERATING CONDITIONS

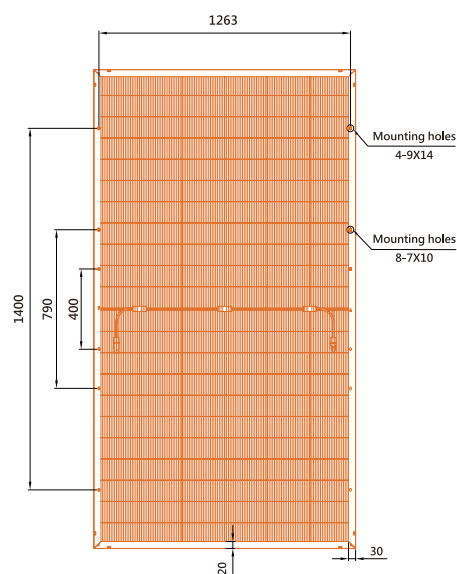
Max. System Voltage (V)	1500
Operating Temperature (°C)	-40°C ~ +85°C
Max. Series Fuse Rating (A)	30
Front Side Maximum Static Loading/ Rear Side Maximum Static Loading (Pa)	5400 / 2400

Design (mm)

Front View



Back View



LINEAR PERFORMANCE WARRANTY

15 Years Product Warranty | 30 Years Performance Warranty

