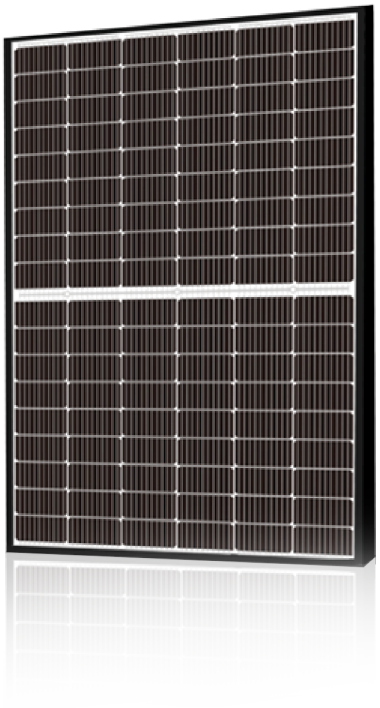
CellKraft

CK400MB

10BB HALF-CELL Double Glass Monocrystalline PERC PV Module

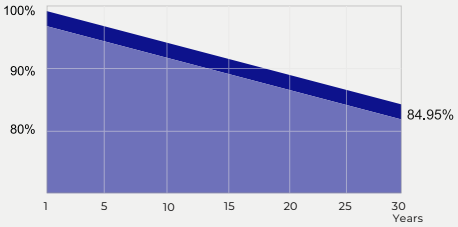


400 Wp
Power

20.48 %
Maximum efficiency

0/+4,99 Wp
Positive sorting

Guaranteed Power



Efficiency

output 30 years guarantee

Product performance guarantee is 30 years.

Key Features

Excellent Cells Efficiency
MBB technology reduce the distance between bubsbars and finger grid line which is benefi to power increase.

Better weak Illumination Response
More power output in weak kight condition, such as haze, cloudy, and earl morning.

Anti PID
Ensured PID resistance through the qualité control of cell manufacturing process and the raw materials.

Adapt To Harsh Outdoor Environment
Resistant to harsh environments such as salt, ammonia, sand high temperature and high humidity environment.

Product warranty
Panel support, photovoltaic cells, front cover... all our panels are made of ultra-resistant materials for sustainable efficiency.

Excellent Quality Managerment System
Warranted reliability and stingent quality assurances well beyond certified requirements.

IEC 61215/IEC 61730/IEC 61701/IEC 62716/UL6 1730
ISO 14001: Environmental Management System
ISO 9001: Quality Management System
ISO45001: Occupational Health and Safety Management System

Certified Product

German quality

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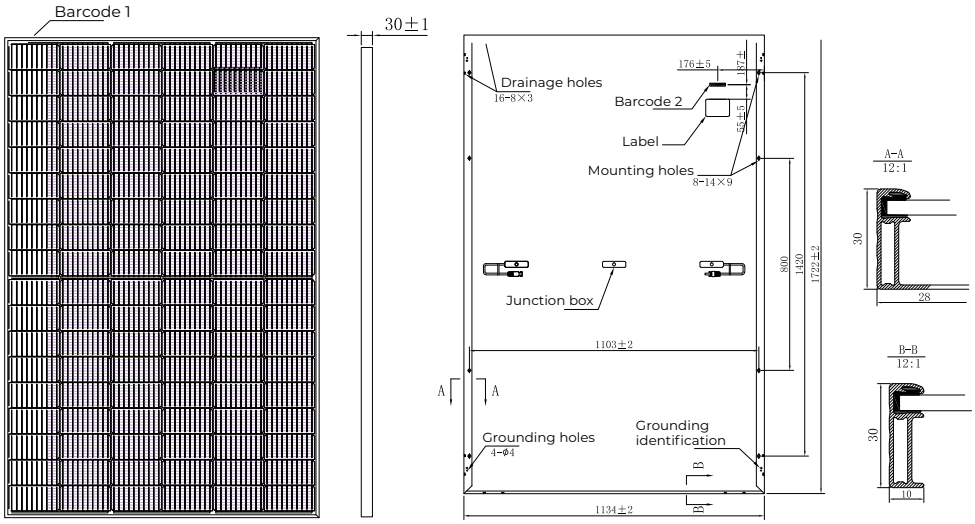
PERC PV Module

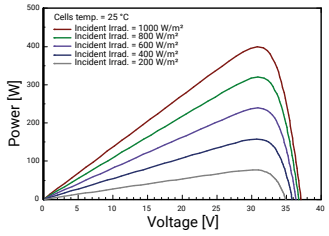
DIMENSIONS OF MODULE (mm)



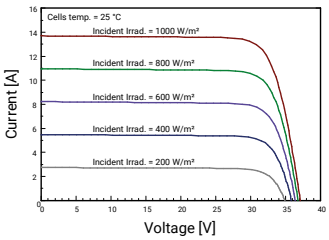
Front view

Back view

I-V CURVES OF PV MODULE (400W)



P-V CURVES OF PV MODULE(400W)



ELECTRICAL CHARACTERISTICS | STC*

Nomianl Power Watt Pmax(W)*	400
Maximum Power Voltage Vmp(V)	30.90
Maximum Power Current Imp(A)	12.95
Open Circuit Vloltage Voc(V)	37.10
Short Circuit Current Isc(A)	13.70
Module Efficiency (%)	20.48

* The data above is for reference only and the actual data is in accordance with the pratical testing
* STC (Standard Test Condition): Irradiance 1000W/m², Module Temperature 25±2℃, AM 1.5
* Measuring uncertainity: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

ELECTRICAL CHARACTERISTICS | NMOT*

Maximum Power Pmax(Wp)	299.00
Maximum Power Voltage Vmpp(V)	28.70
Maximum Power Current Impp(A)	10.41
Open Circuit Voltage Voc(V)	34.70
Short Circuit Current Isc(A)	11.06

* NMOT : Irradiance 800W/m, Ambient Temperature 20℃, AM 1.5, Wind Speed 1m/s.

MECHANICAL DATA

Solar cells	Mon o PERC
Cells orientation	108 (6×18)
Module dimension	1722×1134×30 mm (With Frame)
Weight	24.5±1.0 kg
Glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Junction box	IP 68, 3 diodes
Cables	4 mm² ,350 mm (With Connectors)
Connectors	MC4-compatible

WORKING CONDITIONS

Maximum system voltage	1500 V DC
Operating temperature	-40℃~+85℃
Maximum series fuse	25 A
Front side Maximum Staic Loading	Until 5400 Pa
Rear Side Maximum Static Loading	Until 2400 Pa

* Remark: Do not connect Fuse in Combiner Box with two or more strings in parallel connection

TEMPERATURE RATINGS

NMOT	44℃ ±2℃
Temperature coefficeient of Pmax	-0.35%/℃
Temperature coefficient of Voc	-0.29%/℃
Temperature coefficient of Isc	0.05%/℃

Caution : Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instuctions before using our PV modules.
Note : Specifications included in this datasheet are subject to change without notice.

www.cellkraft.de
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