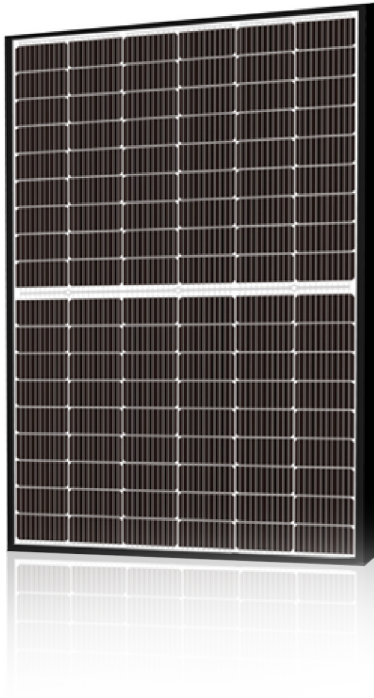



# CK500M-132 Series

10BB HALF-CELL Double Glass Monocrystalline PERC PV Module



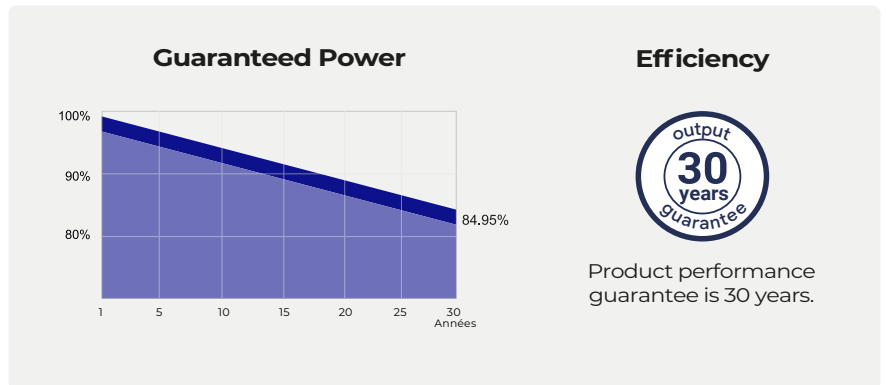

**500 Wp**  
Power



**21,06 %**  
Module Efficiency



**0/+4,99 Wp**  
Positif sorting



## Key features



### Excellent cells efficiency

MBB technology reduce the distance between busbars and finger grid line which is benefit to power increase.



### Better weak illumination response

More power output in weak light condition, such as haze, cloudy, and early morning.



### Anti PID

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



### Adapt to harsh outdoor environment

Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.



### Excellent Quality Management System

Warranted reliability and stringent quality assurances well beyond certified requirements.



### Product warranty

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

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

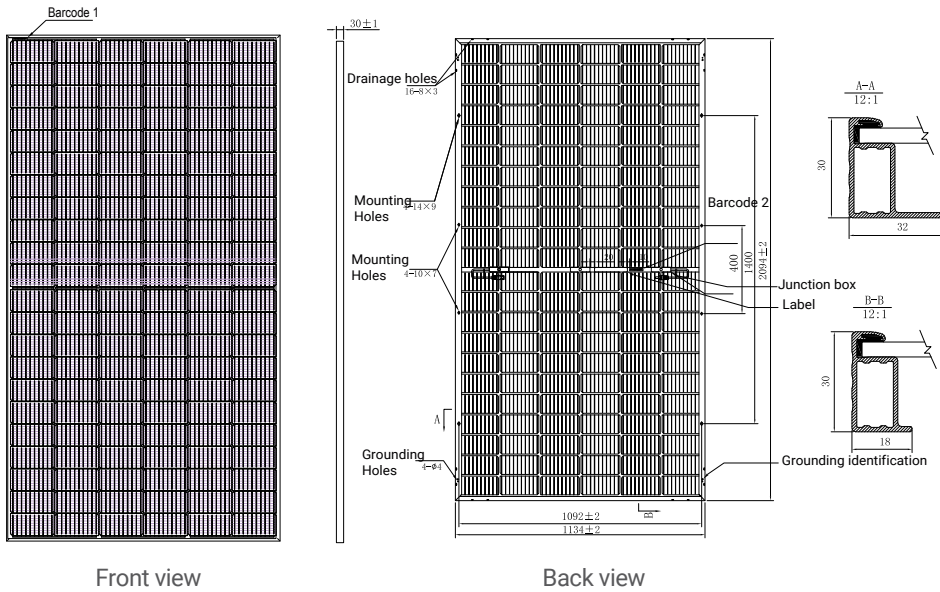


# CK500M-132 Series

Cellkraft 10BB HALF-CELL Bifacial

Double Glass Monocrystalline PERC PV Module

## DIMENSION OF MODULE (mm)



## ELECTRICAL CHARACTERISTICS | STC\*

Nominal Power Watt Pmax	500
Maximum Power Voltage Vmp(V)	38.20
Maximum Power Current Imp(A)	13.09
Open circuit Current Voc(V)	45.80
Short Circuit Current Isc(A)	13.84
Module Efficiency (%)	21.06

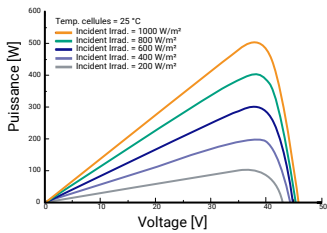
\*The data above is for reference only and the actual data is in accordance with the practical testing  
 \*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25±2ℳ, AM 1.5  
 \*Measuring uncertainty: ±3%, all the electrical characteristics such as Power, Im, Vm and FF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

## ELECTRICAL CHARACTERISTICS | NMOT\*

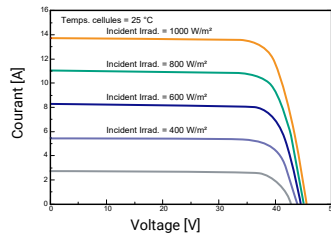
Maximum Power Pmax(Wp)	373.60
Maximum Power Voltage Vmpp(V)	35.50
Maximum Power Current Impp(A)	10.52
Open Circuit Voltage Voc(V)	42.80
Short Circuit Current Isc(A)	11.18

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

## I-V Curves of PV module (500W)



## P-V Curves of PV module (500W)



## 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 mm <sup>2</sup> , 350 mm (With Connectors)
Connectors	MC4-compatible

## WORKING CONDITIONS

Maximum system voltage	1500 V DC
Operating temperature	-40°C~+85°C
Maximum series fuse	30 A
Front side maximum static loading	Up to 5400Pa
Rear side maximum static loading	Up to 2400Pa

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

## TEMPERATURE RATINGS

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

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 instructions before using our PV modules.

Note : Specifications included in this datasheet are subject to change without notice.  
 Cellkraft reserves the right of final interpretation © Cellkraft 2022 | Version: CK500M-132