

# EXPLORER

KSHC-120 PERC



120 cell

Monocrystalline  
PERC

21,13%

Maximum Efficiency

0 ~ +3%

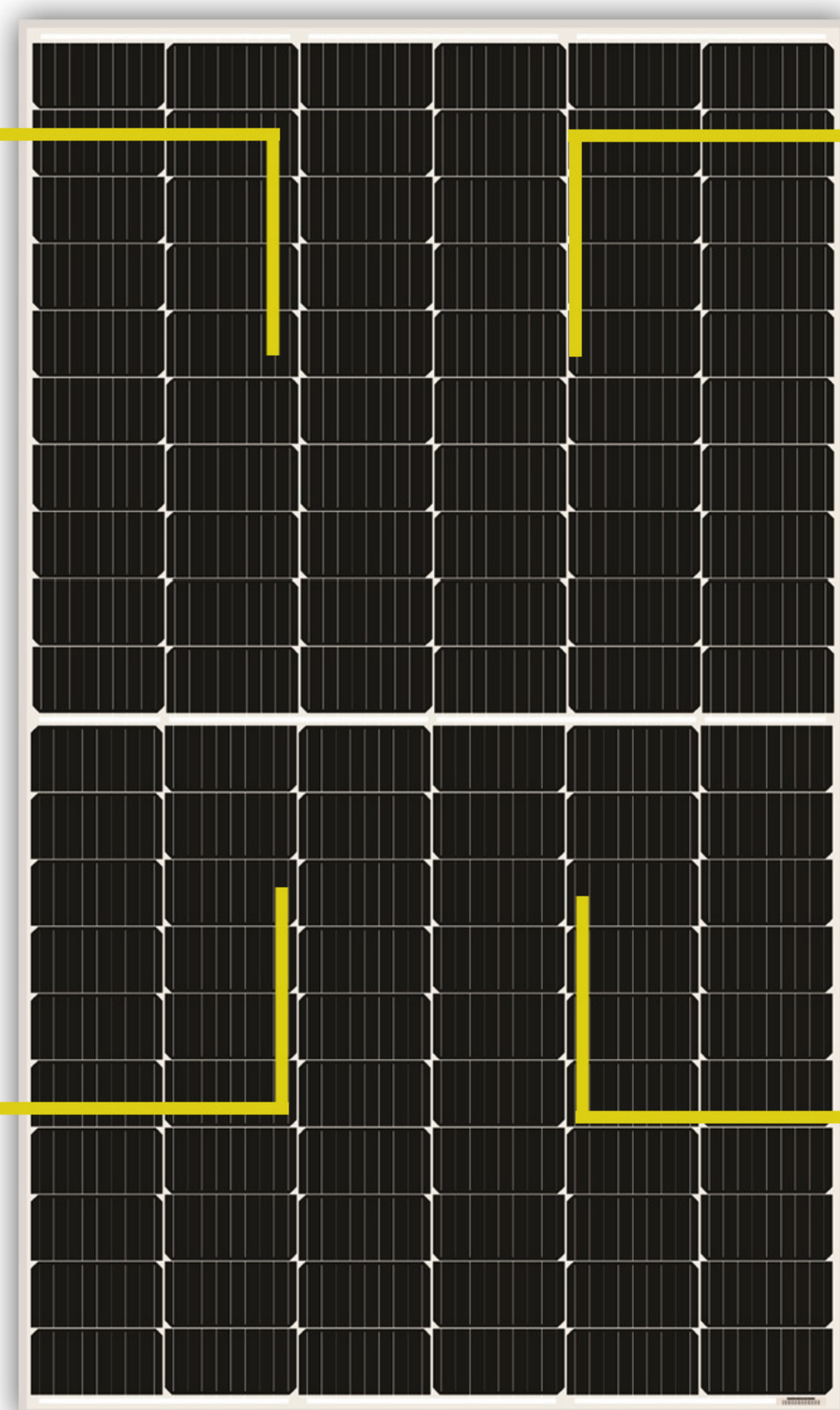
Positive Power Tolerance

360 - 385

Peak Power Range

## STRONG MECHANICAL LOAD CAPACITY

Certified for 5400Pa snow  
and 2400Pa wind loads test



## LOW LIGHT PERFORMANCE

With PERC technology.  
Increases performance in  
low-light environments

## ANTI-PID

Resistance to degradation  
induced by potential



## 9 BUSBAR SOLAR CELL

New technology for better  
efficiency

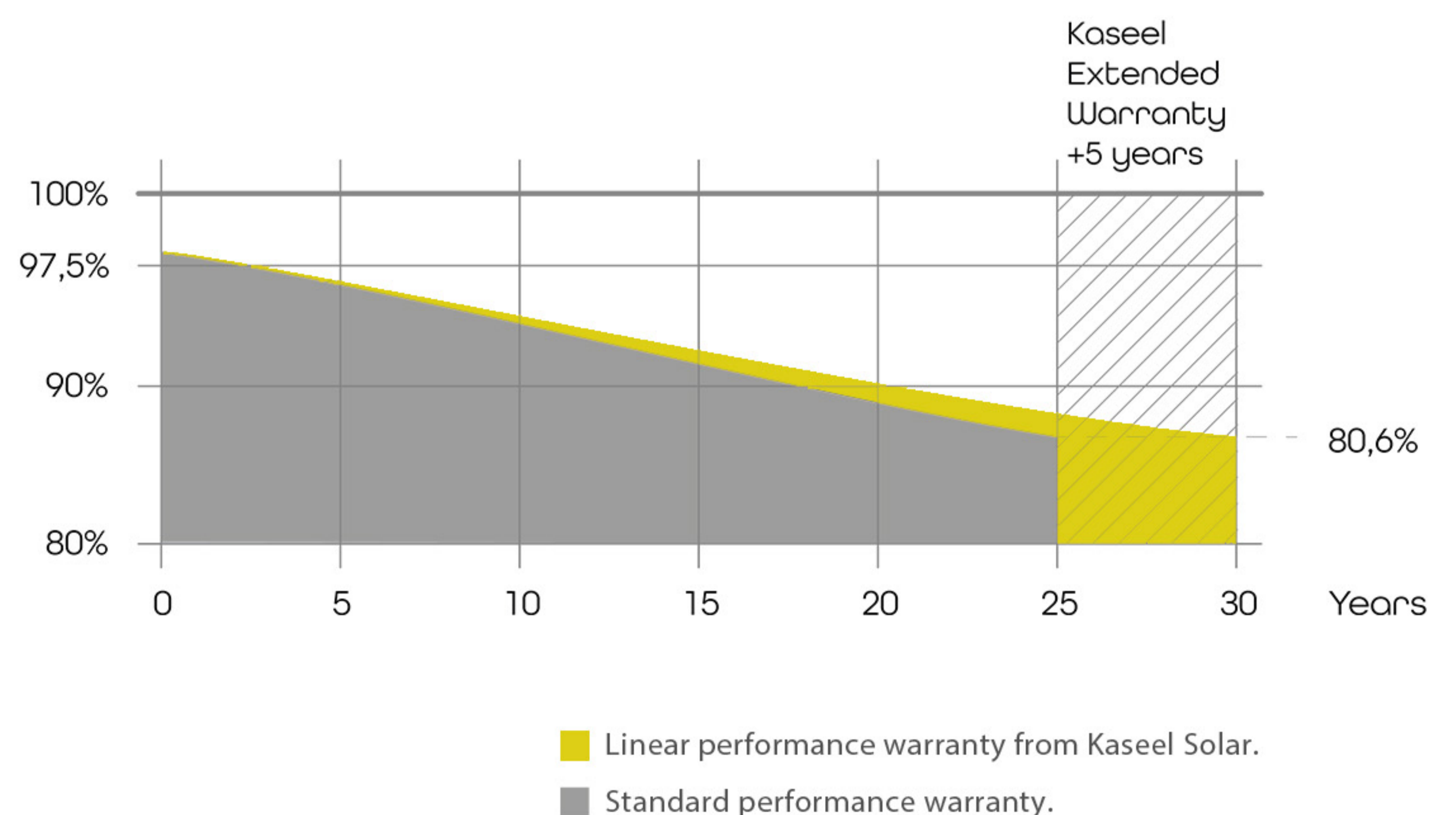
## SPECIAL WARRANTY



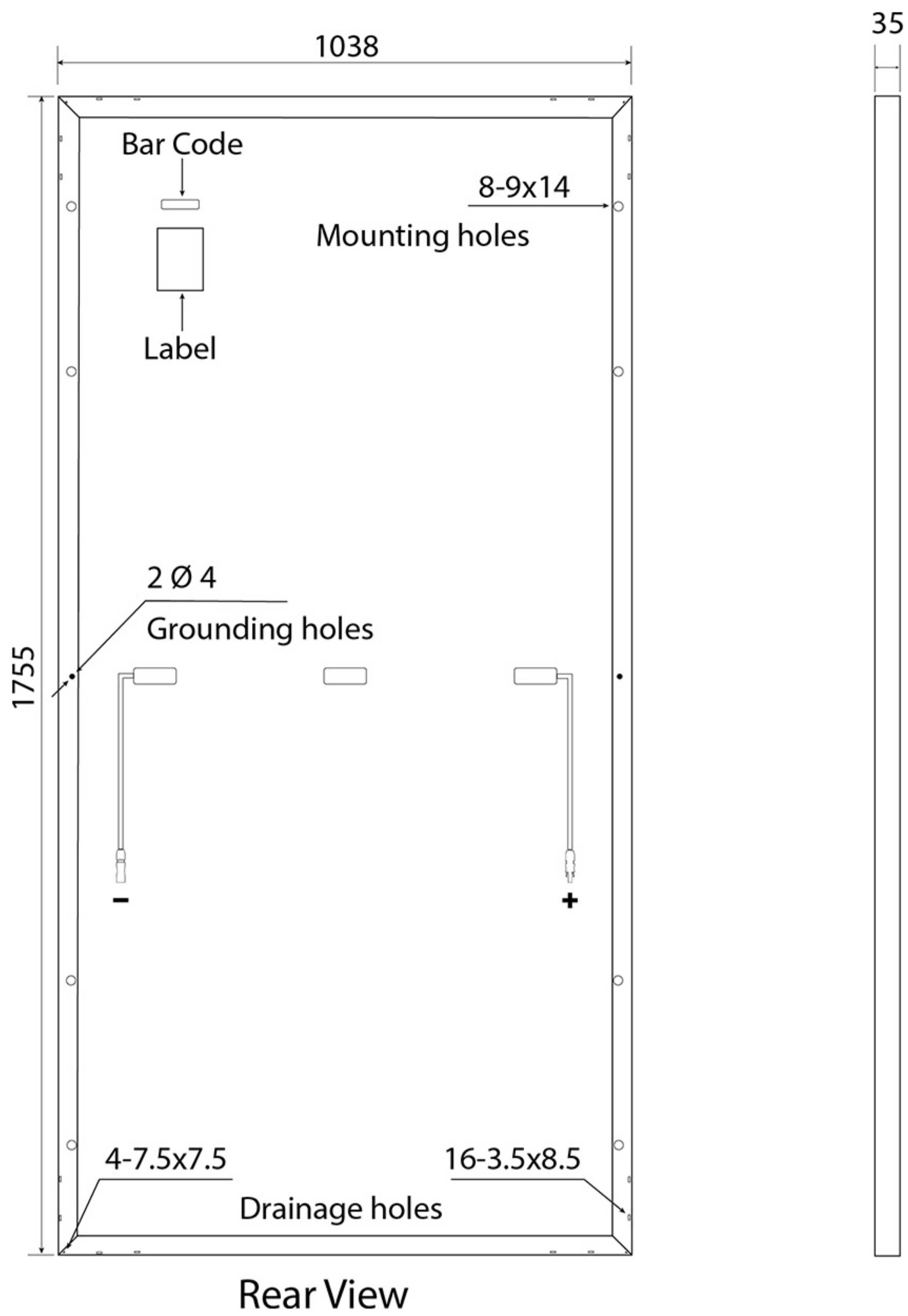
80,6% of the nominal  
power output



Limited product  
warranty



[www.kaseel.com](http://www.kaseel.com)  
[support@kaseel.com](mailto:support@kaseel.com)



Specifications in this datasheet are subject to change without prior notice.

Cell type	9BB Monocrystalline 166x83mm
Number of cells	120 (6x20)
Module dimensions	1755x1038x35 mm
Weight	19.8kg
Front cover	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm <sup>2</sup> - 1400mm
Connector	MC4 compatible
Operating Temperature	-40°C ~+85°C
Maximum System Voltage	1500V DC
Fire Resistance Rating	Type 1/Class C (IEC61730)
Maximum Series Fuse Rating	20A

## TEMP. CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	44°C ±2°C
Temperature Coefficients of Pmax	-0.36%/°C
Temperature Coefficients of VOC	-0.28%/°C
Temperature Coefficients of ISC	0.05%/°C

## PACKAGING

Standard packaging	31 pcs/pallet
Module quantity per 40' container	806 pcs

## ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (Pmax)	360W	365W	370W	375W	380W	385W
Open Circuit Voltage (VOC)	40.5V	40.7V	40.9V	41.1V	41.3V	41.5V
Short Circuit Current (ISC)	11.36A	11.44A	11.52A	11.60A	11.69A	11.77A
Voltage at Nominal Power (Vmp)	34.0V	34.2V	34.4V	34.6V	34.8V	35.0V
Current at Nominal Power (Imp)	10.59A	10.67A	10.76A	10.84A	10.92A	11.00A
Module Efficiency (%)	19.75	20.03	20.31	20.59	20.86	21.13

STC: Irradiance 1000W/m<sup>2</sup>. Cell temperature 25°C. AM1.5

## ELECTRICAL CHARACTERISTICS AT NOCT

Nominal Power (Pmax)	268W	272W	276W	280W	284W	288W
Open Circuit Voltage (VOC)	37.9V	38.1V	38.3V	38.5V	38.7V	38.9V
Short Circuit Current (ISC)	9.20A	9.26A	9.32A	9.38A	9.45A	9.51A
Voltage at Nominal Power (Vmp)	31.6V	31.8V	32.0V	32.2V	32.4V	32.6V
Current at Nominal Power (Imp)	8.48A	8.55A	8.63A	8.69A	8.76A	8.83A

NOCT: Irradiance 800W/m<sup>2</sup>. Ambient temperature 20°C. Wind Speed 1 m/s

## CURVES

