

# Mono Perc Series

## Half-Cell 580wp



Higher output power



Less shading and lower resistive loss



Lower LCOE



Better mechanical loading tolerance



12 Year Warranty for Materials and Processing



25 Year Warranty for Extra Linear Power Output

### Comprehensive Certifications

- IEC 61215, IEC 61730 i.V.
- IEC TS 62941: Terrestrial photovoltaic (PV) modules Guidelines for increased confidence in PV module design qualification and type approval

**DEKRA** Certifications on the basis of:

- IC 61215-1:2016, EN 61215-1:2016, IEC 61215-1-1:2016,
- EN 61215-1-1:2016, I 61215-2:2016, EN 61215-2:2017, IEC 61730-1:2016,
- EN IC 61730-1:2018, EN IEC 61730-1:2018/AC:2018, IEC 61730-2:2016,
- EN IEC 61730-2:2018 and EN IEC 61730-2:2018/AC:2018

Certificate Number : 31- 22717

**22.45%**  
MAX MODULE  
EFFICIENCY

**0~+5W**  
POWER  
TOLERANCE

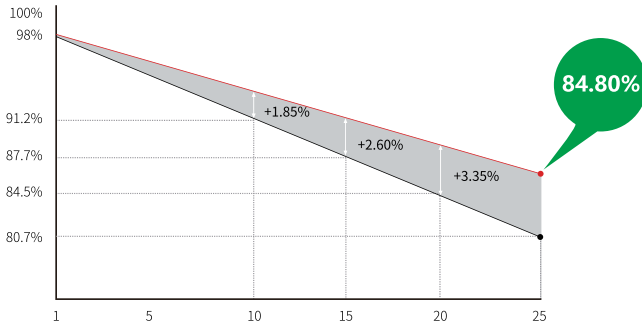
**<2%**  
FIRST YEAR  
POWER DEGRADATION

**0.55%**  
YEAR 2-25  
POWER DEGRADATION

**HALF - CELL**  
Lower operating temperature

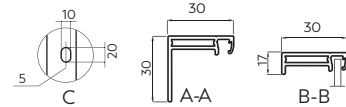
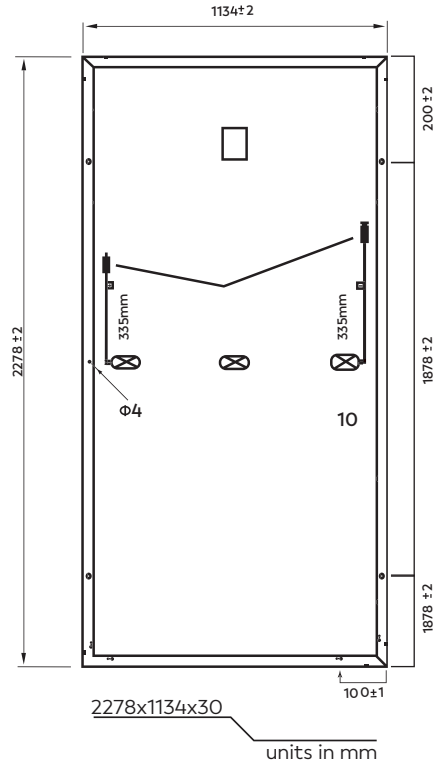
## Additional Value

### 25 Year Power Warranty



## Mechanical Parameters

Cell Orientation	144 (6*24)
Junction Box	Plastics IP68, 3 bypass-diodes
Output Cable	335 mm, 4mm <sup>2</sup>
Glass	3,2mm solar glass
Frame	Anodized aluminium
Weight	28kg
Dimensions (mm)	2278*1134*30



## Electrical Characteristics

Module Type	Testing Condition	Maximum Power	Open circuit voltage(V)	Short circuit current (A)	Voltage at Maximum power (V)	Current at Maximum Power (A)	Module Efficiency
580WP	STC	580	50,31	14,50	42,24	13,73	22.45%

## Operating Parameters

Operational Temp	minus 40°C to 85°C
Power Output Tolerance	0-+5Wp
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	15A
Nominal Operating Cell Temperature	48°C

## Temperature Ratings STC

Temperature Coefficient of $i_s$	(+)0,04%/K
Temperature Coefficient of $V_{oc}$	(-)0,30%/K
Temperature Coefficient of $P_{max}$	(-)0,40%/K