

## 4.2 Detalle técnico línea **ENPOWER**



### Positive Tolerance:

Positive tolerance of up to 5W delivers higher output reliability.



### High Efficiency:

Higher module conversion efficiency (up to 19,90%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



### PID RESISTANT:

Eagle modules pass PID test, limited power degradation by PID test is guaranteed for mass production.



### Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



### Severe Weather Resilience:

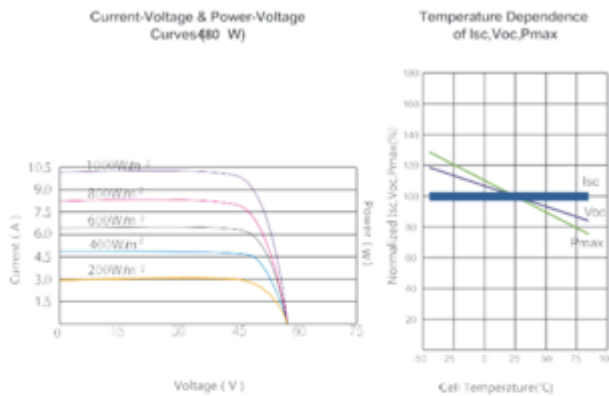
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



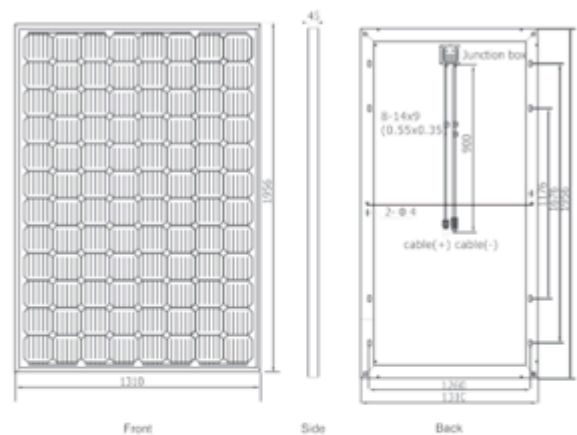
### Durability against extreme environmental conditions:

High salt mist and ammonia resistance certified by TUV NORD.

### Electrical performance & temperature dependence



### Engineering drawings

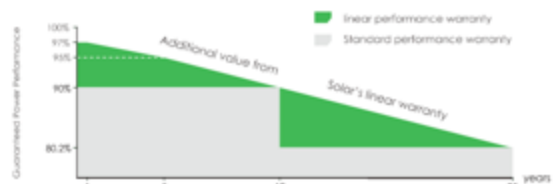


### Mechanical characteristics

Cell Type	Mono-crystalline PERC 156×156mm (6 inch)
No. of cells	96 (8x12)
Dimensions	1956x1310x45mm
Weight	26,5 kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1×4.0mm², Length: 900mm or Customized Length

### LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 25 Year Linear Power Warranty





## SPECIFICATIONS

Module Type	
Maximum Power (Pmax)	500W - 510W
Maximum Power Voltage (Vmp)	48.4V – 48.5V
Maximum Power Current (Imp)	10.33 A – 10.51 A
Open-circuit Voltage (Voc)	59.3V – 59.5V
Short-circuit Current (Isc)	10.54 A – 10.72 A
Module Efficiency STC (%)	19,51% - 19,90%
Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	
Maximum series fuse rating	20A
Power tolerance	0~+3%
Temperature coefficients of Pmax	-0.39%/°C
Temperature coefficients of Voc	-0.29%/°C
Temperature coefficients of Isc	0.048%/°C
Nominal operating cell temperature (NOCT)	45±2°C

**STC:** Irradiance 1000W/m<sup>2</sup> Cell Temperature 25°C AM=1.5

**NOCT:** Irradiance 800W/m<sup>2</sup> Ambient Temperature 20°C AM=1.5 Wind Speed 1m/s

\* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented