Incorporated in 2001, aleo is recognized as one of the most trustworthy manufacturers of solar panels. We produce all our products in our certified production plant in Prenzlau, Germany.

**GERMAN ENGINEERING AND MANUFACTURING**

This module is certified according to the latest international standards: IEC 61215:2016 and IEC 61730:2016.

Additionally, this module obtained the following certificates:
- Snail Trail Free
- Salt mist corrosion resistance
- Ammonia corrosion resistance
- Hail Resistant Class 4
- PID free
- Snowload: 8000 Pa

**THE BEST GUARANTEE PACKAGE**

- 25 Years Product Guarantee
- 25 Years linear Performance Guarantee

98% of nominal power guaranteed in the first two years

**OUR QUALITY IS CERTIFIED**

Made in GERMANY
### BASIC MODULE DATA
- **Length x width x height**: [mm] 1387 x 1023 x 42
- **Weight**: [kg] 16
- **Number of cells**: 48
- **Cell size**: [mm] 158.75 x 158.75
- **Cell material**: Monocrystalline Si, PERC
- **Number of bus bars**: 5
- **Front sheet**: 3.2 mm Solar glass (TSG)
- **Back sheet**: Polymer sheet, black
- **Frame material**: Al alloy, black

### ELECTRICAL DATA (STC) X81L255 X81L260
- **Rated power** $P_{mpp}$ [W] 255 260
- **Rated voltage** $V_{mpp}$ [V] 26.5 26.6
- **Rated current** $I_{mpp}$ [A] 9.56 9.74
- **Open-circuit voltage** $V_{oc}$ [V] 32.4 32.5
- **Short-circuit current** $I_{sc}$ [A] 10.07 10.27
- **Efficiency $\eta$ [%] 18.0 18.3

### ELECTRICAL DATA (NMOT) X81L255 X81L260
- **Power** $P_{mpp}$ [W] 189 192
- **Voltage** $V_{mpp}$ [V] 24.6 24.7
- **Current** $I_{mpp}$ [A] 7.62 7.77
- **Open-circuit voltage** $V_{oc}$ [V] 30.3 30.4
- **Short-circuit current** $I_{sc}$ [A] 8.11 8.27
- **Efficiency $\eta$ [%] 16.6 16.9

### ELECTRICAL DATA (LOW IRRADIANCE) X81L255 X81L260
- **Power** $P_{mpp}$ [W] 50 51

### TEMPERATURE COEFFICIENTS
- Temperature coefficient $I_{sc}$: $a(I_{sc})$ [%/K] +0.05
- Temperature coefficient $V_{oc}$: $\beta(V_{oc})$ [%/K] -0.29
- Temperature coefficient $P_{mpp}$: $Y(P_{mpp})$ [%/K] -0.40

### LOADS
- **Max. module pressure load (Testload)** [Pa] 80000 80000
- **Max. module pressure load (Designload)** [Pa] 53333 53333
- **Max. module suction load (Testload)** [Pa] 24000 24000
- **Max. module suction load (Designload)** [Pa] 16000 16000
- **Max. system voltage** [V DC] 1000
- **Reverse current load** $I_{pv}$ [A] 20

### CERTIFICATIONS AND GUARANTEES
- **Product Guarantee**: 25 years
- **Power Guarantee**: 25 years - Linear
- **Fire Resistance**: Class C
- **Protection Against Electric Shock**: II
- **Certifications**
  - IEC 61215, IEC 61730
  - IEC 62716 – Ammonia Resistance
  - IEC 67701 – Salt mist Resistance
  - IEC 62804 – PID Resistance

### CLASSIFICATION X81L255 X81L260
- **Classification range (positive classification)** [W] 0/4.99 0/4.99

### MEASUREMENTS
- **Temperature of $P_{mpp}$ under STC -3/+3% |
- **Accuracy of other electrical values -10/+10% |
- **Efficiency relating to gross module area

### PERFORMANCE GUARANTEE
- **aleo linear guarantee**
- **traditional step guarantee**

### PLEASE CONTACT YOUR AUTHORISED ALEO DEALER

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