

# X63 Premium

325 - 333 W



QUALITY SIGNED AND SEALED



## MORE POWER ON YOUR ROOF

**98% OF NOMINAL POWER GUARANTEED  
IN THE FIRST TWO YEARS**

**25 YEAR PRODUCT GUARANTEE**



### PID FREE

PID tested with excellent results  
under the harshest conditions



**25 YEARS PRODUCT GUARANTEE**



**25 YEARS LINEAR  
PERFORMANCE WARRANTY**



**CRAFTED WITH PASSION**



**CONSTANTLY HIGH CELL QUALITY**

through strict quality examinations  
by highresolution electroluminescence  
measurements.

100% of diodes are tested.

# aleo solar module X63 Premium

| ELECTRICAL DATA (STC) |               | X63L325 | X63L330 | X63L333 |
|-----------------------|---------------|---------|---------|---------|
| Rated power           | $P_{MPP}$ [W] | 325     | 330     | 333     |
| Rated voltage         | $V_{MPP}$ [V] | 33.0    | 33.3    | 33.4    |
| Rated current         | $I_{MPP}$ [A] | 9.85    | 9.93    | 9.97    |
| Open-circuit voltage  | $V_{OC}$ [V]  | 40.5    | 40.7    | 40.8    |
| Short-circuit current | $I_{SC}$ [A]  | 10.31   | 10.39   | 10.44   |
| Efficiency            | $\eta$ [%]    | 18.5    | 18.8    | 19.0    |

Electrical values measured under standard test conditions (STC): 1000 W/m<sup>2</sup>; 25°C; AM 1.5

| ELECTRICAL DATA (NMOT) |               | X63L325 | X63L330 | X63L333 |
|------------------------|---------------|---------|---------|---------|
| Power                  | $P_{MPP}$ [W] | 240     | 244     | 246     |
| Voltage                | $V_{MPP}$ [V] | 30.6    | 30.8    | 30.9    |
| Current                | $I_{MPP}$ [A] | 7.85    | 7.92    | 7.95    |
| Open-circuit voltage   | $V_{OC}$ [V]  | 37.9    | 38.0    | 38.1    |
| Short-circuit current  | $I_{SC}$ [A]  | 8.31    | 8.37    | 8.41    |
| Efficiency             | $\eta$ [%]    | 17.1    | 17.4    | 17.5    |

Electrical values measured under nominal module operating temperature: 800 W/m<sup>2</sup>; 20°C; AM 1.5; wind 1 m/s; Module temperature NMOT : 44.5°C

| ELECTRICAL DATA (LOW IRRADIANCE) |               | X63L325 | X63L330 | X63L333 |
|----------------------------------|---------------|---------|---------|---------|
| Power                            | $P_{MPP}$ [W] | 63      | 64      | 65      |

Electrical values measured under: 200 W/m<sup>2</sup>; 25°C; AM 1.5

| TEMPERATURE COEFFICIENTS          |                    |       |       |
|-----------------------------------|--------------------|-------|-------|
| Temperature coefficient $I_{SC}$  | $\alpha (I_{SC})$  | [%/K] | +0.05 |
| Temperature coefficient $V_{OC}$  | $\beta (V_{OC})$   | [%/K] | -0.29 |
| Temperature coefficient $P_{MPP}$ | $\gamma (P_{MPP})$ | [%/K] | -0.40 |

| BASIC DATA JUNCTION BOX |                        |
|-------------------------|------------------------|
| Length x width x height | [mm] 148 x 123 x 27    |
| IP class                | IP67                   |
| Cable length            | [mm] 1200 (+), 800 (-) |
| Connectors              | MC4                    |
| Bypass diodes           | 3                      |

| CLASSIFICATION                                 |     | X63L325 | X63L330 | X63L333 |
|------------------------------------------------|-----|---------|---------|---------|
| Classification range (positive classification) | [W] | 0/+4.99 | 0/+2.99 | 0/+6.99 |

| BASIC MODULE DATA       |      |                          |
|-------------------------|------|--------------------------|
| Length x width x height | [mm] | 1716 x 1023 x 42         |
| Weight                  | [kg] | 19.5                     |
| Number of cells         |      | 60                       |
| 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, white     |
| Frame material | Al alloy, black          |

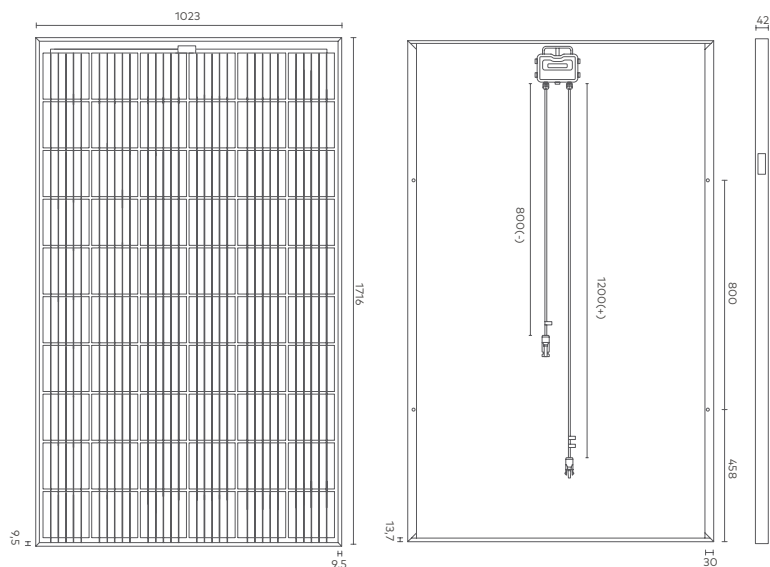
| CERTIFICATIONS AND GUARANTEES     |                                                                                                                                              |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Product Guarantee                 | 25 years                                                                                                                                     |
| Power Guarantee                   | 25 years – Linear                                                                                                                            |
| Fire Resistance                   | Class C                                                                                                                                      |
| Protection Against Electric Shock | II                                                                                                                                           |
| Certifications                    | IEC 61215, IEC 61730<br>IEC 62716 – Ammonia Resistance<br>IEC 61701 – Salt mist Resistance<br>IEC 62804 – PID Resistance<br>MCS 010; MCS 005 |

| LOADS                                               |                    |                   |
|-----------------------------------------------------|--------------------|-------------------|
| Max. module pressure load (Testload)                | [Pa]               | 8000 <sup>1</sup> |
| Max. module pressure load (Designload) <sup>2</sup> | [Pa]               | 5333 <sup>1</sup> |
| Max. module suction load (Testload)                 | [Pa]               | 2400 <sup>1</sup> |
| Max. module suction load (Designload) <sup>2</sup>  | [Pa]               | 1600 <sup>1</sup> |
| Max. system voltage                                 | [V <sub>oc</sub> ] | 1000              |
| Reverse current load                                | $I_r$ [A]          | 20                |

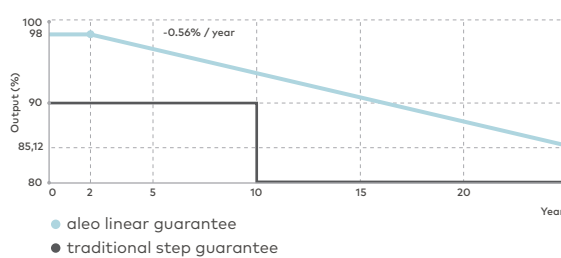
Mechanical load acc. to IEC/EN 61215:2016  
<sup>1</sup> Please observe the mounting conditions in the installation manual  
<sup>2</sup> Testload/ Safety factor 1.5 = Designload

Measurement tolerance of  $P_{MPP}$  under STC -3/+3% |  
 Accuracy of other electrical values -10/+10%  
 Efficiency relating to gross module area

## DIMENSIONS [mm]



## PERFORMANCE GUARANTEE



**PLEASE CONTACT YOUR AUTHORISED ALEO DEALER**

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**aleo**