

# G12R 720 W N-TOPCon Module

Utility-scale flagship — dual-glass bifacial

# ZAP91

N-TOPCon dual-glass bifacial module engineered for predictable lifetime yield. Excellent PID and LeTID resistance, sustains 5400 Pa snow and 2400 Pa wind loads.

## Key electrical and mechanical specifications

PEAK POWER (P <sub>MAX</sub> ) <b>720 Wp</b>	MODULE EFFICIENCY <b>23.18%</b>
OPEN CIRCUIT VOLTAGE (V <sub>OC</sub> ) <b>49.16 V</b>	SHORT CIRCUIT CURRENT (I <sub>SC</sub> ) <b>18.41 A</b>
VOLTAGE AT P <sub>MAX</sub> (V <sub>MP</sub> ) <b>41.36 V</b>	CURRENT AT P <sub>MAX</sub> (I <sub>MP</sub> ) <b>17.41 A</b>
DIMENSIONS (MM) <b>2383 x 1303 x 30/35</b>	WEIGHT <b>38 kg</b>
CELL CONFIGURATION <b>132 (16BB) 105 x 210 mm</b>	MAX SYSTEM VOLTAGE <b>1500 V DC</b>
OPERATING TEMPERATURE <b>-40 C to +85 C</b>	WARRANTY <b>12 yr product / 30 yr power</b>

### Mechanical

<b>Front glass</b>	2.0 mm ARC heat-strengthened
<b>Rear cover</b>	2.0 mm heat-strengthened glass
<b>Frame</b>	Anodized aluminium alloy (silver)
<b>Junction box</b>	3-split, IP68 rated
<b>Connector</b>	MC4 compatible
<b>Cable</b>	4.0 mm <sup>2</sup> / 400 mm length

### Temperature & loading

<b>P<sub>max</sub> temp coefficient</b>	-0.29 %/C
<b>V<sub>oc</sub> temp coefficient</b>	-0.24 %/C
<b>I<sub>sc</sub> temp coefficient</b>	+0.042 %/C
<b>NOCT</b>	45 +/- 2 C
<b>Bifaciality</b>	80 +/- 10%
<b>Load (front / rear)</b>	5400 / 2400 Pa

## Certifications & compliance

IEC 61215, IEC 61730, IEC TS 62804 (PID), ISO 9001, ISO 14001, ISO 45001. BIS / ALMM listed.