BiKu MODULE
NEW GENERATION BIFACIAL MODULE
FRONT POWER RANGE: 290W ~ 305W
UP TO 30% MORE POWER FROM THE BACK SIDE
CS3K-290|295|300|305PB-FG

MORE POWER

- Up to 30% more power from the back side
- Low NMOT: 41 ± 3 °C
- Low temperature coefficient (Pmax): -0.37 % / °C
- Better shading tolerance

MORE RELIABLE

- Lower internal current, lower hot spot temperature
- Minimizes micro-cracks and snail trails
- Heavy snow load up to 5400 Pa, wind load up to 2400 Pa *
- Fire Class A and Type 3 / Type 13

30 years power output warranty*
10 years product warranty on materials and workmanship*

* According to the applicable Canadian Solar Limited Warranty Statement.

MANAGEMENT SYSTEM CERTIFICATES*
ISO 9001:2015 / Quality management system
ISO 14001:2015 / Standards for environmental management system
OHSAS 18001:2007 / International standards for occupational health & safety

PRODUCT CERTIFICATES*
IEC 61215 / IEC 61730: VDE / CE / MCS
UL 1703: CSA
IEC 61701 ED2: VDE / IEC 62716: VDE / IEC 60068-2-68: SGS
Take-e-way

* As there are different certification requirements in different markets, please contact your local Canadian Solar sales representative for the specific certificates applicable to the products in the region in which the products are to be used.

CANADIAN SOLAR INC. is committed to providing high quality solar products, solar system solutions and services to customers around the world. No. 1 module supplier for quality and performance/price ratio in IHS Module Customer Insight Survey. As a leading PV project developer and manufacturer of solar modules with over 33 GW deployed around the world since 2001.

* For detailed information, please refer to Installation Manual.

CANADIAN SOLAR INC.
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ENGINEERING DRAWING (mm)

Rear View

CS3K-290PB-FG / I-V CURVES

ELECTRICAL DATA | STC*

<table>
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<tr>
<td>CS3K-290PB-FG</td>
<td>290 W</td>
<td>32.3 V</td>
<td>8.98 A</td>
<td>38.9 V</td>
<td>9.49 A</td>
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<tr>
<td>5%</td>
<td>305 W</td>
<td>32.3 V</td>
<td>9.43 A</td>
<td>38.9 V</td>
<td>9.96 A</td>
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<tr>
<td>10%</td>
<td>319 W</td>
<td>32.3 V</td>
<td>9.88 A</td>
<td>38.9 V</td>
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<tr>
<td>20%</td>
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<td>32.3 V</td>
<td>10.78 A</td>
<td>38.9 V</td>
<td>11.39 A</td>
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<td>30%</td>
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<td>11.67 A</td>
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<td>295 W</td>
<td>32.5 V</td>
<td>9.08 A</td>
<td>39.1 V</td>
<td>9.57 A</td>
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<tr>
<td>5%</td>
<td>310 W</td>
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<td>9.53 A</td>
<td>39.1 V</td>
<td>10.05 A</td>
</tr>
<tr>
<td>10%</td>
<td>325 W</td>
<td>32.5 V</td>
<td>9.99 A</td>
<td>39.1 V</td>
<td>10.53 A</td>
</tr>
<tr>
<td>20%</td>
<td>354 W</td>
<td>32.5 V</td>
<td>10.9 A</td>
<td>39.1 V</td>
<td>11.48 A</td>
</tr>
<tr>
<td>30%</td>
<td>384 W</td>
<td>32.5 V</td>
<td>11.8 A</td>
<td>39.1 V</td>
<td>12.44 A</td>
</tr>
<tr>
<td>CS3K-300PB-FG</td>
<td>300 W</td>
<td>32.7 V</td>
<td>9.18 A</td>
<td>39.3 V</td>
<td>9.65 A</td>
</tr>
<tr>
<td>5%</td>
<td>315 W</td>
<td>32.7 V</td>
<td>9.64 A</td>
<td>39.3 V</td>
<td>10.13 A</td>
</tr>
<tr>
<td>10%</td>
<td>330 W</td>
<td>32.7 V</td>
<td>10.1 A</td>
<td>39.3 V</td>
<td>10.62 A</td>
</tr>
<tr>
<td>20%</td>
<td>360 W</td>
<td>32.7 V</td>
<td>11.02 A</td>
<td>39.3 V</td>
<td>11.58 A</td>
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<td>30%</td>
<td>390 W</td>
<td>32.7 V</td>
<td>11.93 A</td>
<td>39.3 V</td>
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<tr>
<td>CS3K-305PB-FG</td>
<td>305 W</td>
<td>32.9 V</td>
<td>9.28 A</td>
<td>39.5 V</td>
<td>9.73 A</td>
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<tr>
<td>5%</td>
<td>320 W</td>
<td>32.9 V</td>
<td>9.74 A</td>
<td>39.5 V</td>
<td>10.22 A</td>
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<tr>
<td>10%</td>
<td>336 W</td>
<td>32.9 V</td>
<td>10.21 A</td>
<td>39.5 V</td>
<td>10.7 A</td>
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<tr>
<td>20%</td>
<td>366 W</td>
<td>32.9 V</td>
<td>11.14 A</td>
<td>39.5 V</td>
<td>11.68 A</td>
</tr>
<tr>
<td>30%</td>
<td>397 W</td>
<td>32.9 V</td>
<td>12.06 A</td>
<td>39.5 V</td>
<td>12.65 A</td>
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<tr>
<td>* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM1.5 and cell temperature of 25°C.</td>
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<td>** Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.</td>
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ELECTRICAL DATA

Operating Temperature: -40°C – +85°C
Max. System Voltage: 1500 V (IEC) or 1000 V (IEC/UL)
Module Fire Performance: TYPE 3 / Type 13 (UL 1703) or CLASS A (IEC61730)
Max. Series Fuse Rating: 25 A
Application Classification: Class A
Power Tolerance: 0 ~ +5 W
Power Bifaciality*: 70 %

* Power Bifaciality = Pmax_rear / Pmax_front, both Pmax_rear and Pmax_front are tested under STC, Bifaciality Tolerance: ±5 %

MECHANICAL DATA

Cell Type: Poly-crystalline
Cell Arrangement: 120 [2 x (10 x 6)]
Dimensions: 1690 x 992 x 5.8 mm (66.5 x 39.1 x 0.23 in)
(Incl. corner protector): 1693 x 995 x 8.5 mm (66.7 x 39.2 x 0.33 in)
Weight: 24.3 kg (53.6 lbs)
Front / Back Glass: 2.5 mm heat strengthened glass
Frame: Frameless
J-Box: IP68, 3 diodes
Cable: 4.0 mm² (IEC), 12 AWG (UL)
Cable Length (Including Connector): Portrait: 400 mm (15.7 in) (+) / 280 mm (11.0 in) (-), landscape: 1250 mm (49.2 in)*
Connector: T4 series or H4 UTX or MC4-EVO2
Per Pallet: 33 pieces
Per Container (40’ HQ): 858 pieces

PARTNER SECTION

TEMPERATURE CHARACTERISTICS

Specification: Data
Temperature Coefficient (Pmax): -0.37 % / °C
Temperature Coefficient (Voc): -0.29 % / °C
Temperature Coefficient (Isc): 0.05 % / °C
Nominal Module Operating Temperature: 41 ± 3°C