

Aesthetical, All-black PV module from E.ON

**E.ON Aura
JN435BB**

n-type, bifacial



High yields:

435 Wp rated output power,
excellent low light performance



Guaranteed quality:

25 years product warranty
30 years performance guarantee



Reliable technology:

Mono-crystalline silicon
Multi-busbar utilization



Durability:

Long operational life due to
high-quality materials



Improved stability:

Maximum static front
load up to 5,400 Pa

About E.ON

A strong partner at your side

As one of the leading energy suppliers, we have been developing innovative, sustainable and future oriented energy solutions for many years.

Fit for tomorrow

Get prepared for the future with our connected solutions and start producing your own solar energy.

Long lasting service

Service and customer satisfaction are one of our key priorities. We will be your direct contact for all questions.

Technical Data E.ON Aura JN435BB-54G3

Electrical Characteristics *

Nominal Power P_{max}	435 Wp
Power Tolerance of P_{max}	up to +3%
Module Efficiency (STC)	21.8 %
Maximum Power Voltage U_{mpp}	32.29 V
Maximum Power Current I_{mpp}	13.47 A
Open-circuit Voltage U_{oc}	38.70 V
Short-circuit Current I_{sc}	14.23 A
Relative Efficiency Reduction at 200 W/m ²	7 %

Temperature Coefficients

NOCT	45 ± 2 °C
Temperature Coefficient of P_{max}	-0.300 % / C
Temperature Coefficient of U_{oc}	-0.260 % / C
Temperature Coefficient of I_{sc}	+0.046 % / C

Mechanical Characteristics

Cell Type	108 (6 x 18), mono-crystalline PERC cells
Weight	22.0 kg
Dimensions (L x W x H)	1762 x 1134 x 30 mm
Output Cables	1300 mm
Front Glass / Back Glass	1.6 mm / 1.6 mm Semi-Tempered AR Glass
Number of Bypass Diodes	3
Frame	Anodized Aluminum Alloy
Frame Color	Black
Junction Box	IP68 rated
String Connectors	MC4 Original (Stäubli MC4-EVO2A)

Operating Conditions

Maximum System Voltage DC	1500 V DC (IEC)
Operating Temperature	-40 °C to +85 °C
Reverse current resistance	30 A
Bifaciality	80% ± 10%
Maximum withstanding mechanical force (front)	5,400 Pa
Safety Class	II

Packaging Configuration

Pieces per Pallet	36
Packaging box dimensions (L x B x H)	1790 x 1135 x 1252 mm
Packaging box weight	845 kg ± 3 %
Stackability per Pallet	2-fold



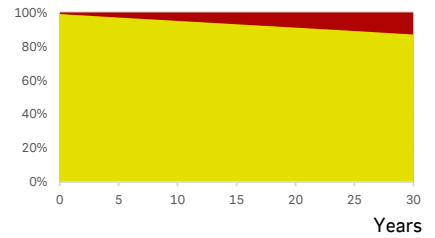
*under Standard Test Conditions (STC: 1000 W/m², 25°C, AM 1.5)

Disclaimer: E.ON Solutions GmbH reserves the right to make specification changes without prior notice.

E.ON Solutions GmbH, Brüsseler Platz 1, 45131 Essen, Germany

30 years E.ON performance guarantee

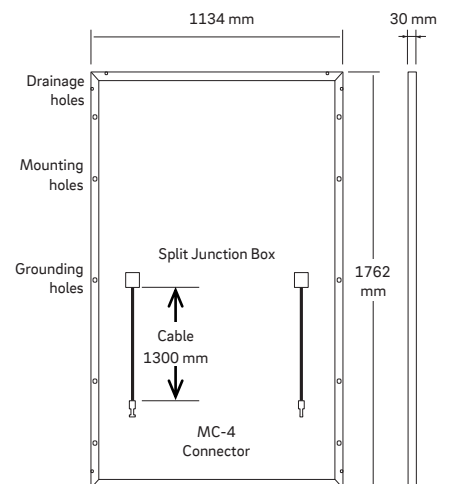
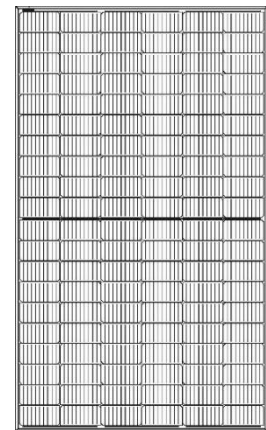
Performance



The E.ON module warranty includes a 25-year material and processing guarantee and a 30-year performance warranty. In the 30th year, the nominal power is still at 87.4%.

The performance warranty applies to installations in Germany, Italy, Poland, the UK, Sweden, Croatia, the Netherlands, Romania, Slovenia and Hungary. It refers to the nominal power under standard test conditions 1000 W/m², 25°C, AM 1.5.

During installation, keep in mind the installation instructions! The terms of the E.ON warranty statement, as amended from time to time, apply.



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