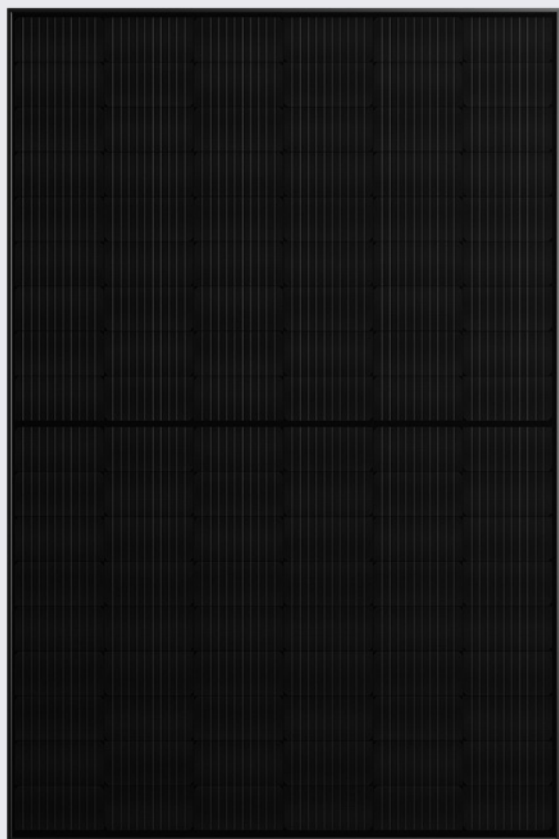


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PRODUCED BY
ENERGIE
Snhnx



TOPCon Full Black
420-440W

SNX-D54HN(S)

integrated Taylor Nano Optimizer.

cell-string level data for real-time performance insights.

temperature and maintenance shutdown lowers (fire) risk.

30 years linear power output warranty

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Datasheet
SNX-D54HN(S)



Electrical characteristics 123

Table with 11 columns: Module type, Performance (power tolerance 0~+5W), and electrical characteristics for power ratings 420, 425, 430, 435, and 440 W. Rows include Maximum Power-Pm (W), Open circuit voltage - Voc (V), Short circuit current - Isc (A), Maximum power voltage - Vm (V), Maximum power current - Im (A), and Module efficiency (%).

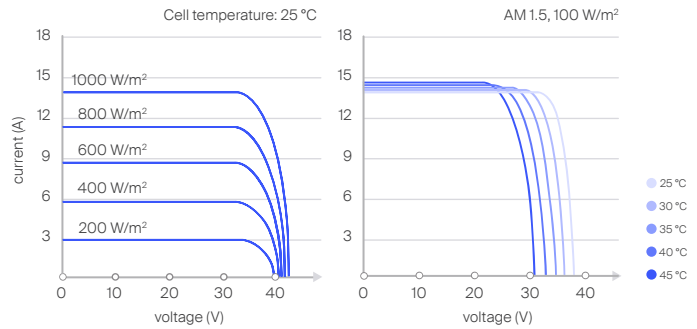
Temperature characteristics

Table with 2 columns: Parameter and Value. Rows include NMOT (43 °C), Temperature coefficient of Voc (-0.250% / °C), Temperature coefficient of Isc (+0.046% / °C), and Temperature coefficient of Pm (-0.310% / °C).

Maximum ratings

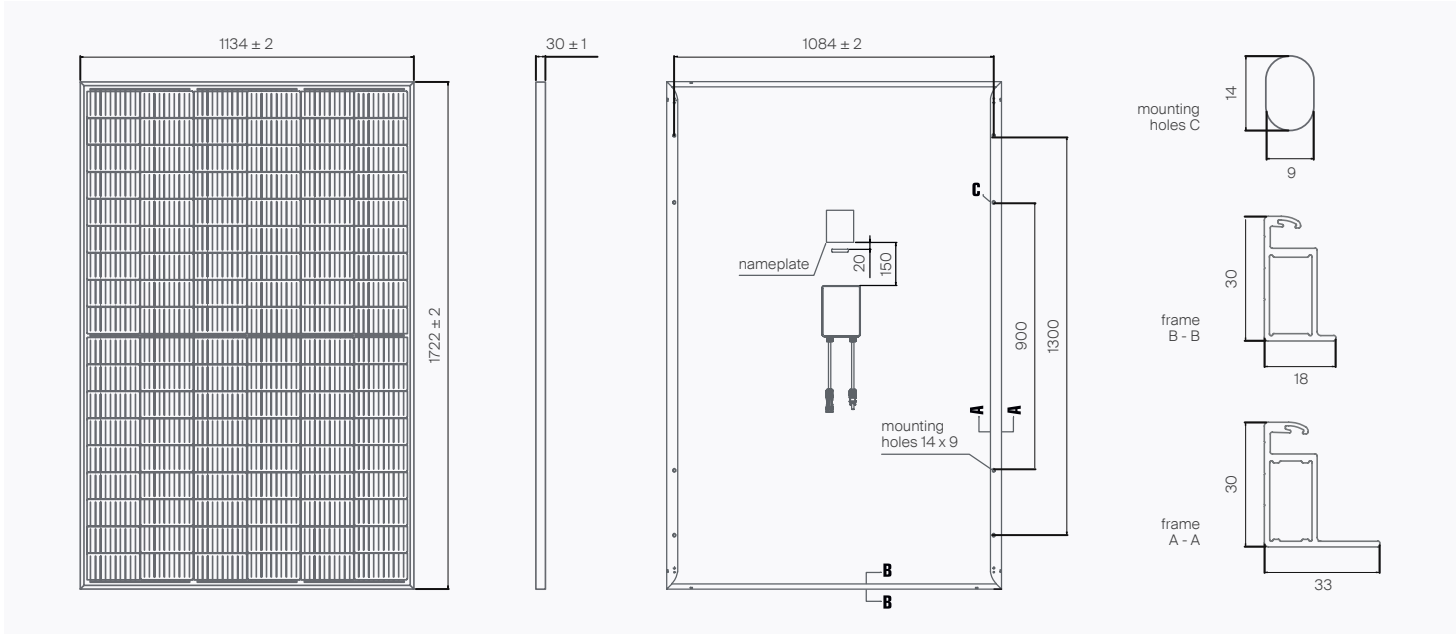
Table with 2 columns: Parameter and Value. Rows include Maximum system voltage (V), Series fuse rating (A), Maximum surface load capacity (Pa), Temperature range (°C), and Withstanding Hail.

I-V curve



Mechanical characteristics

Table with 4 columns: Mechanical characteristics, Dimensions, Cell orientation, and Junction Box. Rows include Dimensions (H x W x D), Weight, Front glass, Frame, Cells, Cell orientation, Junction Box, Cable / Connectors, and Packaging.



Warranty

Table with 2 columns: Product warranty and Power warranty. Rows include PV module warranty by Sonnex Energie GmbH, Product warranty (y), Power warranty (y), Power degradation 1st year, Annual power degradation 2nd year and onwards, Guaranteed performance ratio, and Cell string optimizer warranty by Taylor Technologies B.V.

Other characteristics

Table with 2 columns: Other characteristics and Values. Rows include IEC61215, IEC61730, ISO9001:2015, ISO14001:2015, and footnotes 1, 2, and 3.