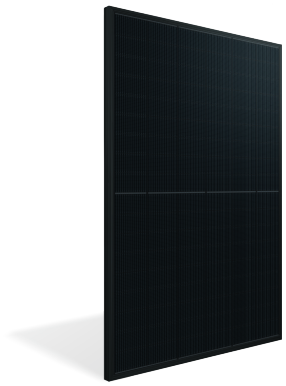
SOLAR PANEL / SILFAB SOLAR

Silfab Solar SIL-440 QD

SIL-440 QD · Silfab Prime NTC

This 440 W panel combines an all-black finish with N-type cells and 22.6% module efficiency.



440 W DC	22.6%	30 years
Panel rating	Module efficiency	Performance warranty

For your home

All-black finish
Black cells, frame and backsheet give the array a consistent appearance.

Inverter pairing
We match the inverter to this panel’s voltage and current.

Your system

- Panel placement and roof clearances
- Warranty registration
- Inverter voltage and current compatibility

MODEL DETAILS

Specifications & warranty

Silfab Solar SIL-440 QD · SIL-440 QD · Silfab Prime NTC

Specification	Value
Panel model	SIL-440 QD
Rated panel output · STC	440 W DC
Module efficiency · STC	22.6%
Cell construction	108 half cells · N-type NTC
Voltage at maximum power	33.41 V
Current at maximum power	13.17 A
Open-circuit voltage	38.97 V
Short-circuit current	14.22 A
Pmax temperature coefficient	−0.29%/°C
Dimensions · H × W × D	1,721 × 1,133 × 35 mm
Weight	21 kg / 46.3 lb
Product warranty	12 years; extendable to 25 with registration and conditions
Performance warranty	30 years · at least 89.3% in year 30

Warranty

12-year product warranty, extendable to 25 years with registration and eligibility requirements. A separate 30-year performance warranty covers long-term output.

Panel STC ratings are laboratory values; actual output varies with the installation and conditions.

Original sources

Silfab SIL-440 QD manufacturer data sheet · August 2026

Silfab product information