



# Sil 380 hc solar panels

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Silfab SIL-380-HC is a PV module fit for both residential and commercial applications. Silfab engineers made the Prime series durable and efficient while minimizing the amount of useful space required for their operation. This panel takes full advantage of the Passivated Emitter Rear Contact (PERC) technology that allows it to capture up to 12% more energy. All thanks to a reflective layer on the back. This design maximizes the number of photons absorbed by solar cells.

The use of half-cut cell technology is an additional perk. The solar cells of SIL-380-HC are half the size of those found in standard panels. Major advantages include reduced power consumption, extended life, and enhanced efficiency in low-light conditions. Not surprisingly, the efficiency of this module is quite high - 20.8%. Novel design solutions allow this panel to look as well as it performs. This model is just 1.37" in depth and is jet black with a sleek finish. The panel's functionality and durability are not affected by its aesthetic appeal. Silfab paid as much attention to durability as they did to performance. SIL-380-HC is guaranteed to retain at least 82.6% of output after 30 years. The product warranty for this panel lasts 25 years.

The PERC technology further improves an already excellent efficiency of 20.8 percent. A reliable PID resistance and a unique glass lamination were added by the maker, which ultimately produced a model that was effective and extremely durable. SIL-380-HC produces 380 W of power under typical test settings.

Even at high temperatures, SIL-380-HC remains efficient. It loses just -0.36% efficiency for every 1.8°F over 77°F, letting you make the most of the sunniest hours.

Multiple tests are part of Silfab tight production requirements, which offer the highest level of quality assurance. Because of the facilities' high degree of automation, the business can uphold strict standards and minimize the number of warranty claims to an absolute minimum.

Silfab guarantees limited degradation over the ensuing 30 years. The performance will only degrade by a maximum of 2.9% the first year, and then only by a maximum of 0.50% yearly after that. After the 30 years are over, your modules will still show at least 82.6% of nominal capacity. A substantial 25-year product warranty is also included with this 380 W Silfab solar panel.

The 1.37" frame built of aluminum alloy and a layer of protective tempered glass make this module weather-resistant. The front side of the modules can withstand a 5400 Pa load, whereas the back side can withstand a 5400 Pa load.

The panel has a sleek, all-black style that complements any roof beautifully. Silfab uses unique treatment and selection procedures to guarantee optimum cell color. The cells are connected by thinner wires, and from a distance, the surface of the modules seems seamless and smooth.



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Maximum Surface Load (wind/snow)

4000 Pa rear load / 5400 Pa front load 83.5 lb/ft<sup>2</sup>/112.8 lb/ft<sup>2</sup>

19.0±0.2 kg 41.9±0.4 lbs

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