

# SD FRAMELESS SOLAR PANEL

## Innovative Solar Greenhouse Solution

### Characteristics

#### Frameless power generation

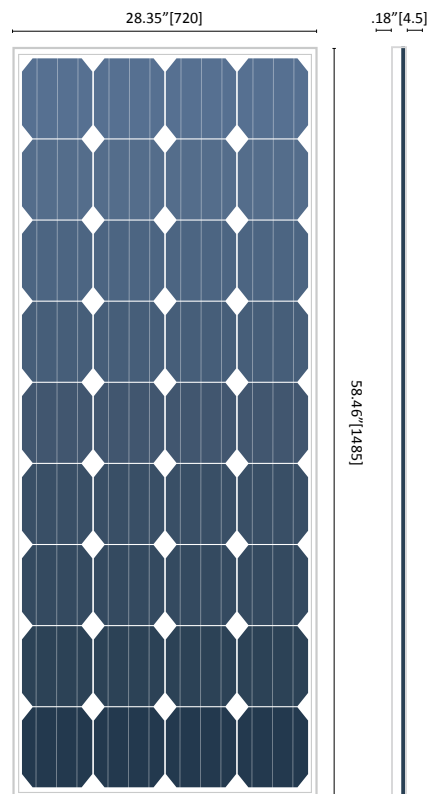
Soliculture's SD frameless solar module is the solution to bring energy to the greenhouse without additional mounting of metal frames. They are manufactured without aluminum, which results in lower embodied energy, and reduces impact of potential-induced degradation (PID) – enabling a longer lifespan.

#### Custom design

The SD frameless solar panel was designed to be compatible with a variety of greenhouse structures, which enables it to fit into your roof structure seamlessly. They are customizable to any roof configuration and glass size. The innovative SD Solar Energy System meets North American safety requirements.

#### Let your greenhouse pay for itself

The frameless design is not only faster and easier to install than conventional modules, but provides an added value by offsetting expensive agricultural energy costs. In conjunction with LUMO, the SD solar panels are able to supply up to 100% of your greenhouse electricity needs.



#### Mechanical Specifications

Length	58.46 in (1,485 mm)
Width	28.35 in (720 mm)
Thickness	0.18 in (4.5 mm)
Module Area	11.5 ft <sup>2</sup> (1.07 m <sup>2</sup> )
Weight	32 lbs. (14.5 kg)

#### Electrical Specifications\*

Module	SD-170
Rated Power (Pmax)	170 W
Maximum Power Voltage (Vmp)	18.933 V
Maximum Power Current (Imp)	9.114 A
Open Circuit Voltage (Voc)	23.289 V **
Short Circuit Current (Isc)	9.597 A
Connector Type	Amphenol H4

\* Taken at STC: Irradiance 1000W/m<sup>2</sup>, Air Mass 1.5, Temperature 25°C. Calculated using maximum power based on full positive output tolerance [-0 , +4.99] Wp

#### TECHNICAL SUPPORT

We provide custom SD solutions to maximize solar energy benefits for you specific needs

#### ZERO DOWNTIME

Solar incentives can pay for up to 100% of your LUMO and SD solar panels in a new greenhouse, maximizing the financial advantage of solar electricity

#### TURNKEY SOLUTIONS

Energize your greenhouse without being dependent on grid electricity and enjoy guaranteed performance for 20 years

For more information on our products and services, please visit us at:

[www.soliculture.com](http://www.soliculture.com)



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