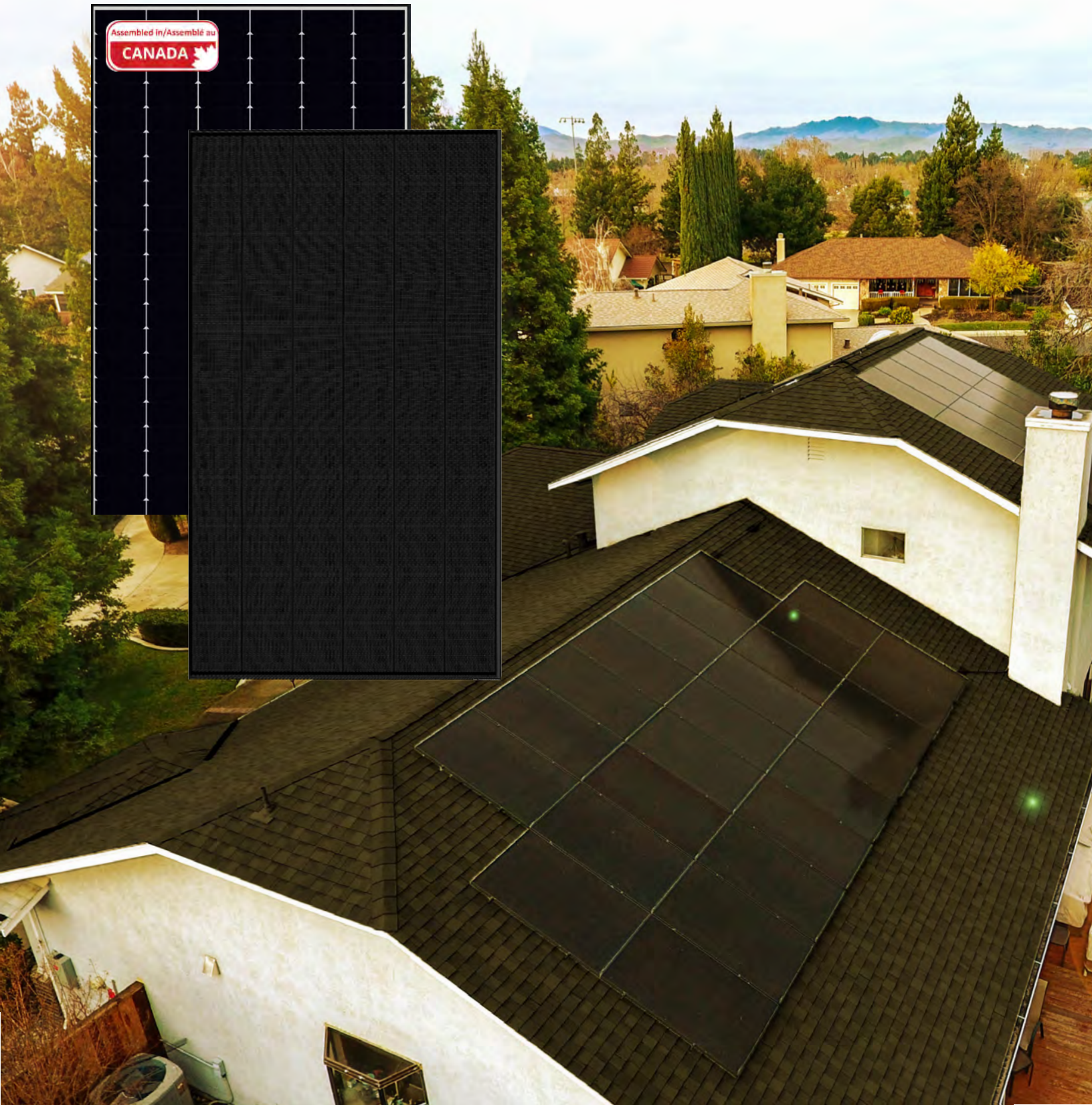
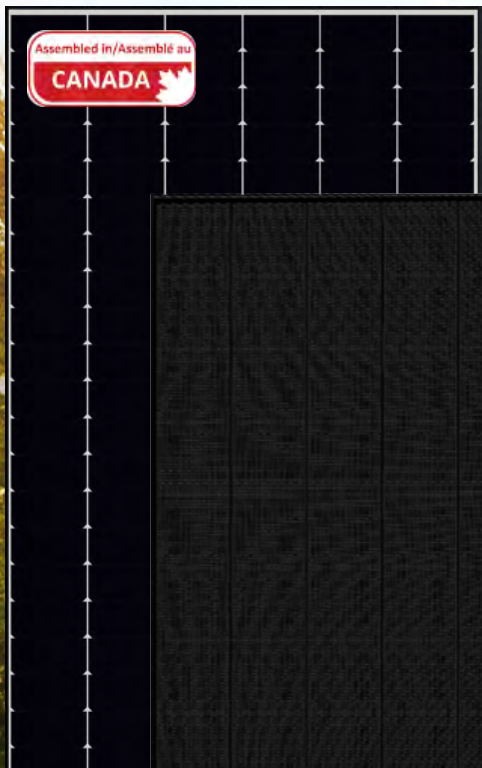
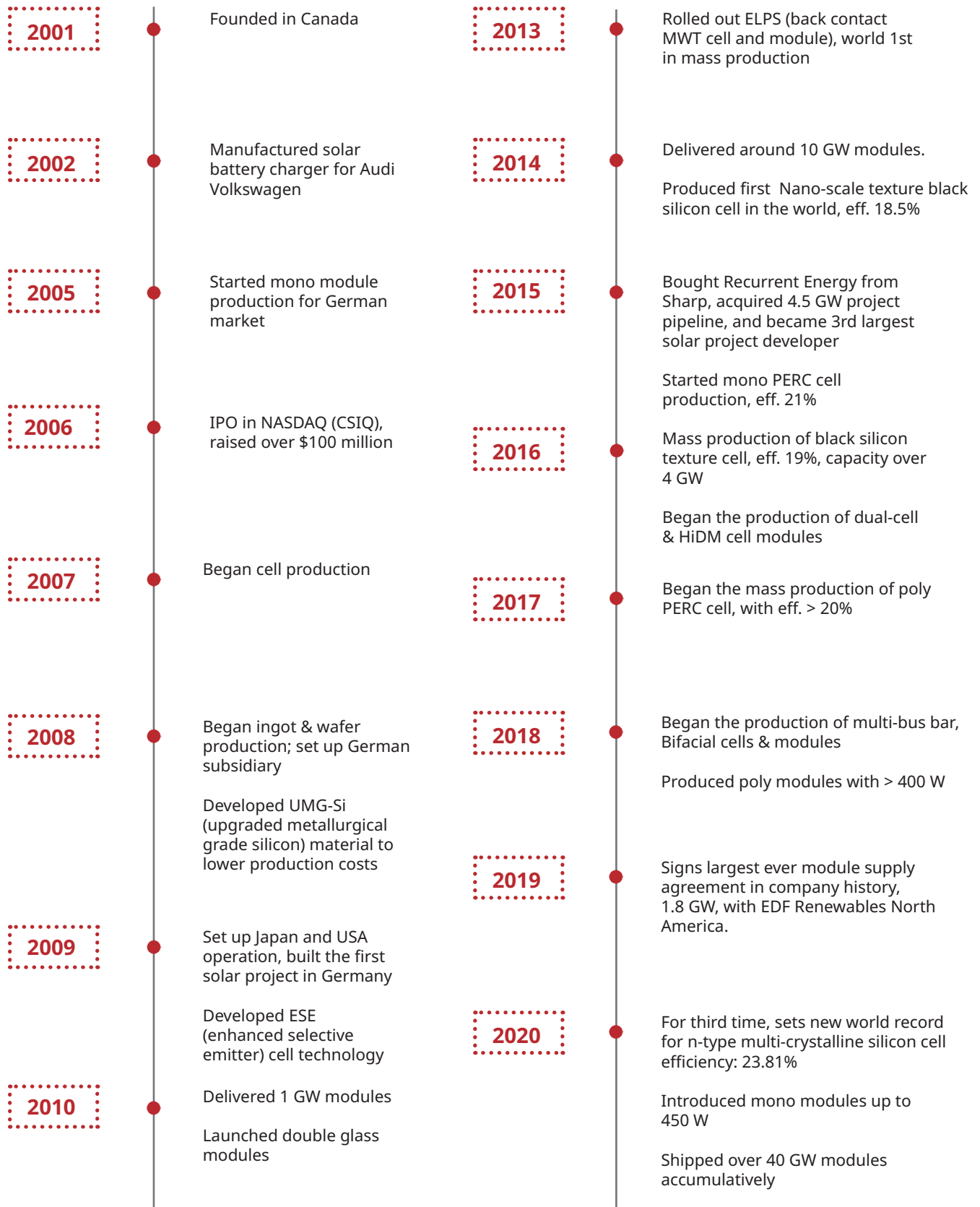


# HiDM SHINGLED MODULE

## Solar Module Technology Revolution



# 19 Years' achievements





# Global Operations in 23 Countries



**16** Factories worldwide

Modules to more than **150** countries

## Winning Third Party Awards

No. 1 Module Supplier for Quality and Performance/Price Ratio in IHS Module Customer Insight Survey



No.1 Renewable Energy Leader of Thomson Reuters



No.1 silicon module solar plant developer by Greentech Media Research



The Best PV Module Manufacturer Award in Brazil by SmartEnergy



Tier 1 Solar Company by Bloomberg New Energy Finance (BNEF)



The ELPS module is nominated for the Intersolar Award 2012 in photovoltaics category.



Leading company in PV Triathlon of PHOTON



Best Structured Project Bond Award by Environmental Finance and J. Money





## Benefits of HiDM Shingled Modules



Maximizes power generation and improves module efficiency up to 20.4%



Increases solar system energy yield through lower working temperature



Extends solar system daily generation hours due to strong shading tolerance



A more reliable and safer system with much lower hot spot risks



Aesthetic design with uniform no busbars appearance and blends into your roof



15 years enhanced product warranty on materials and workmanship



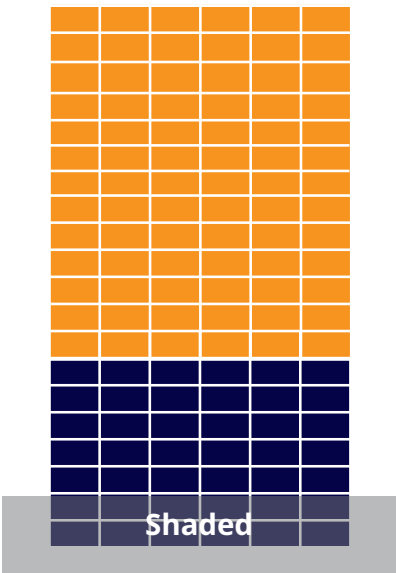
25 years linear power output warranty

# Better Shading Tolerance

More power output from partially shaded module

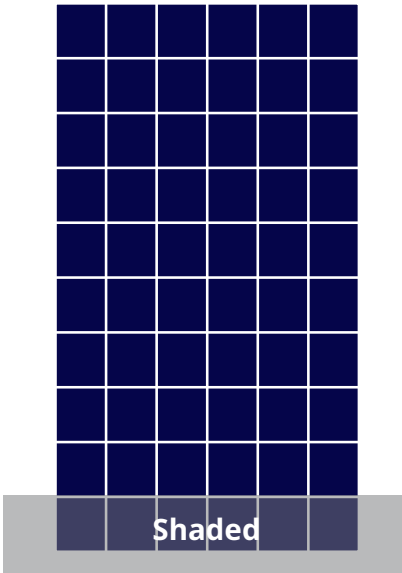
HiDM Module

*Portrait installation*



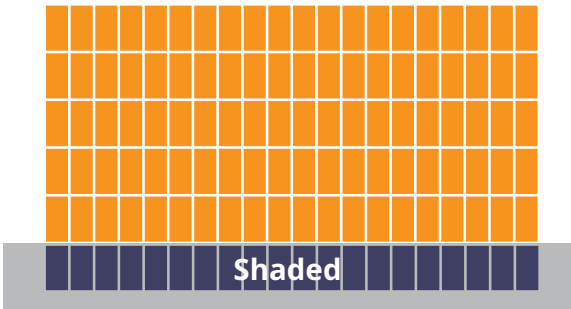
**67% Output**  
33% power  
output reduction

Conventional Module

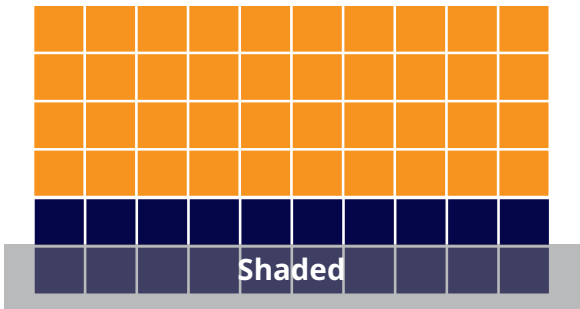


**0% Output**  
100% power  
output reduction

*Landscape installation*



**83% Output**  
17% power output  
reduction

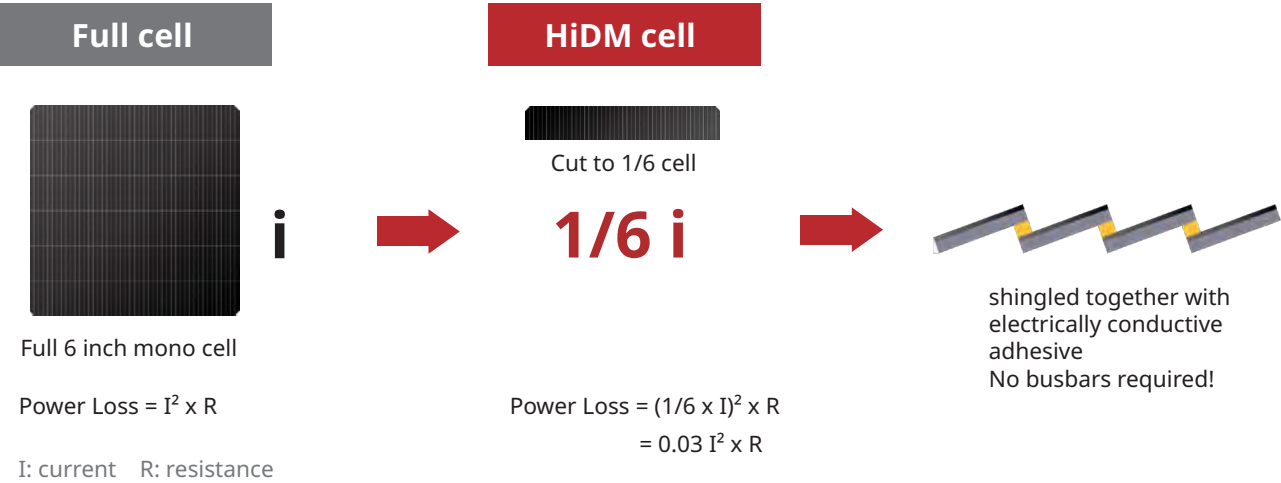


**67% Output**  
33% power output  
reduction


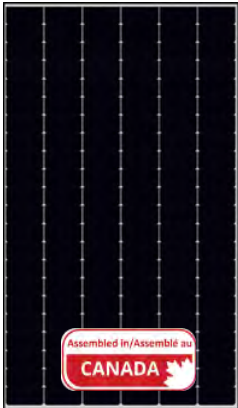




# Lower Internal Power Consumption Due to Lower Current

Reduce power loss by **97%** in each cell string

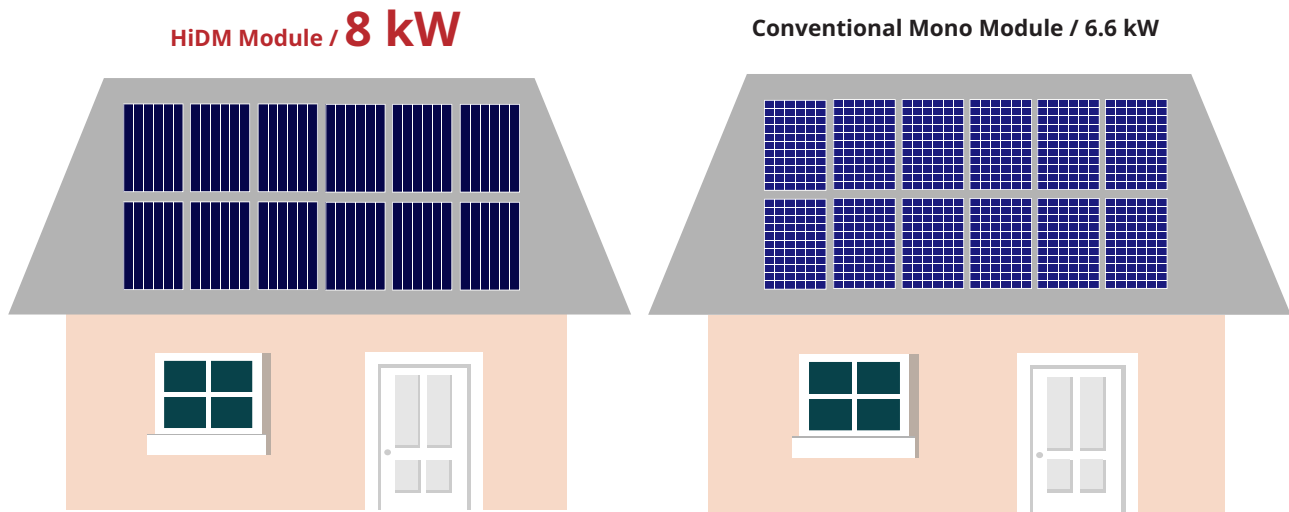


Module power output increase **20%**

HiDM Module		Conventional Full Cell Mono Module	
			
CS1H-MS ALL BLACK	CS1H-MS	60 cell type	72 cell type
<b>340W</b>	<b>345W</b>	<b>280W</b>	<b>335W</b>
Eff.: 20.16%	Eff.: 20.46%	Eff.: 17.1%	Eff.: 17.2%
66.9 x 39.1 in	66.9 x 39.1 in	65.0 x 39.1 in	77.2 x 39.1 in

# Maximize Module Cell Surface

Higher energy yield on a given space



20 % more system capacity on a given rooftop using HiDM modules.

## Canadian Solar HiDM Projects



"Canadian Solar HiDM modules blend in so well with my roof, plus they deliver the high efficiency and shade tolerance that my partially shaded roof needed to produce the most solar power. I've cut my electric bills down to almost zero and I have the peace of mind that comes from knowing the modules are backed by Canadian Solar's 25-year warranty."

- Homeowner, Livermore, CA USA

**North America Headquarters**

3000 Oak Road, Ste. 400,  
Walnut Creek, CA 94597

P +1 888 998 7739

F +1 925 866 7739

E [sales.us@canadiansolar.com](mailto:sales.us@canadiansolar.com)

**Global Headquarters**

545 Speedvale Avenue West  
Guelph, Ontario, Canada N1K 1E6

P +1 519 837 1881

F +1 519 837 2550

E [info@na.canadiansolar.com](mailto:info@na.canadiansolar.com)

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

