



**SOUTHERN VERMONT**  
**SOLAR**  
 Local Clean Energy Solutions

# Preliminary Estimate\*

Town of Windham	October 13, 2022
5976 Baker Hill Rd Windham, VT 05359, USA	info@svtsolar.com
	(802) 387-0088

<u>System Size (DC)</u>
15.60 kW
<u>System Size (AC)</u>
13.61 kW
<u>Annual Production</u>
18.18 MWh*
<u>Solar Modules</u>
(39) Hanwha Q Cells
<u>Inverters</u>
(39) Enphase



Monthly Energy Costs:	\$143
Monthly Solar Savings:	\$241
<b>Energy Offset:</b>	<b>186%</b>

Upfront System Cost:	\$39,780
IRS Direct Payment (30%):	-\$11,934
<b>Net Cost:</b>	<b>\$27,846</b>

\*Subject to change based on actual conditions



*“After interviewing 3 companies, I chose Southern Vermont Solar for a variety of reasons. Simon and Victoria and their team did an amazing job from the first contact to the walk through and wrap up.*

*The bar is pretty high to meet my expectations of how a contracted project should flow, and SVT surpassed my expectations every step of the way.”*

— C. MOORE, SAXTONS RIVER, VT

# Q.PEAK DUO BLK ML-G10+ 385-405

ENDURING HIGH  
PERFORMANCE



Quality  
Controlled PV  
  
www.tuv.com  
ID 1111232615



#### BREAKING THE 20% EFFICIENCY BARRIER

Q.ANTUM DUO Z Technology with zero gap cell layout boosts module efficiency up to 20.9%.



#### THE MOST THOROUGH TESTING PROGRAMME IN THE INDUSTRY

Q CELLS is the first solar module manufacturer to pass the most comprehensive quality programme in the industry: The new "Quality Controlled PV" of the independent certification institute TÜV Rheinland.



#### INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behavior.



#### ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology<sup>1</sup>, Hot-Spot Protect and Traceable Quality Tra.Q™.



#### EXTREME WEATHER RATING

High-tech aluminum alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



#### A RELIABLE INVESTMENT

Inclusive 25-year product warranty and 25-year linear performance warranty<sup>2</sup>.



6 BUSBAR  
CELL TECHNOLOGY

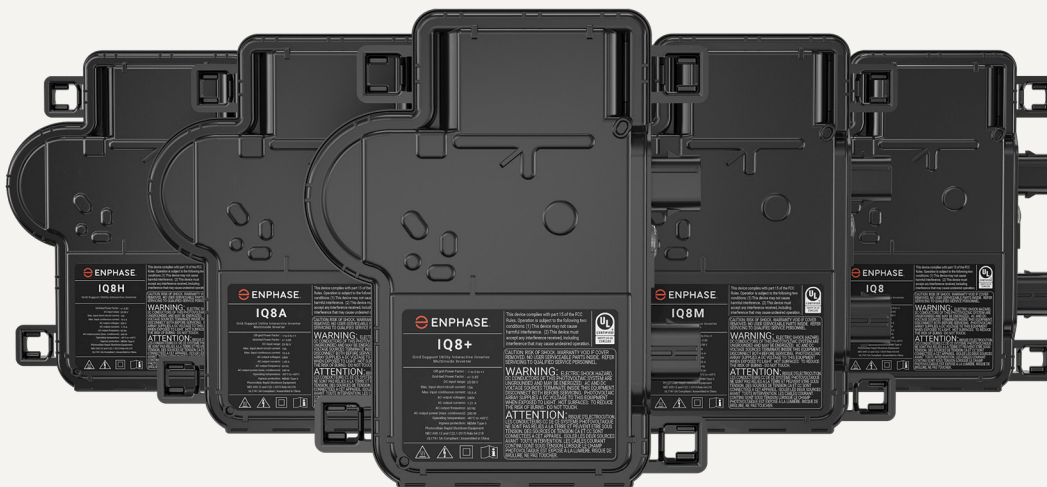
12 BUSBAR  
CELL TECHNOLOGY

<sup>1</sup> APT test conditions according to IEC / TS 62804-1:2015, method A (-1500V, 96h)  
<sup>2</sup> See data sheet on rear for further information.

#### THE IDEAL SOLUTION FOR:



Rooftop arrays on  
residential buildings



# IQ8 Series Microinverters

Our newest IQ8 Microinverters are the industry’s first microgrid-forming, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55nm technology with high speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.



IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.



Connect PV modules quickly and easily to IQ8 Series Microinverters using the included Q-DCC-2 adapter cable with plug-n-play MC4 connectors.



IQ8 Series Microinverters are UL Listed as PV Rapid Shut Down Equipment and conform with various regulations, when installed according to manufacturer’s instructions.

## Easy to install

- Lightweight and compact with plug-n-play connectors
- Power Line Communication (PLC) between components
- Faster installation with simple two-wire cabling

## High productivity and reliability

- Produce power even when the grid is down\*
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

## Microgrid-forming

- Complies with the latest advanced grid support\*\*
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) requirements

\* Only when installed with IQ System Controller 2, meets UL 1741. IQ8H-208V operates only in grid-tied mode.

\*\* IQ8 Series Microinverters supports split phase, 240V. IQ8H-208 supports split phase, 208V only.