MODULAR SOLAR DWELLINGS

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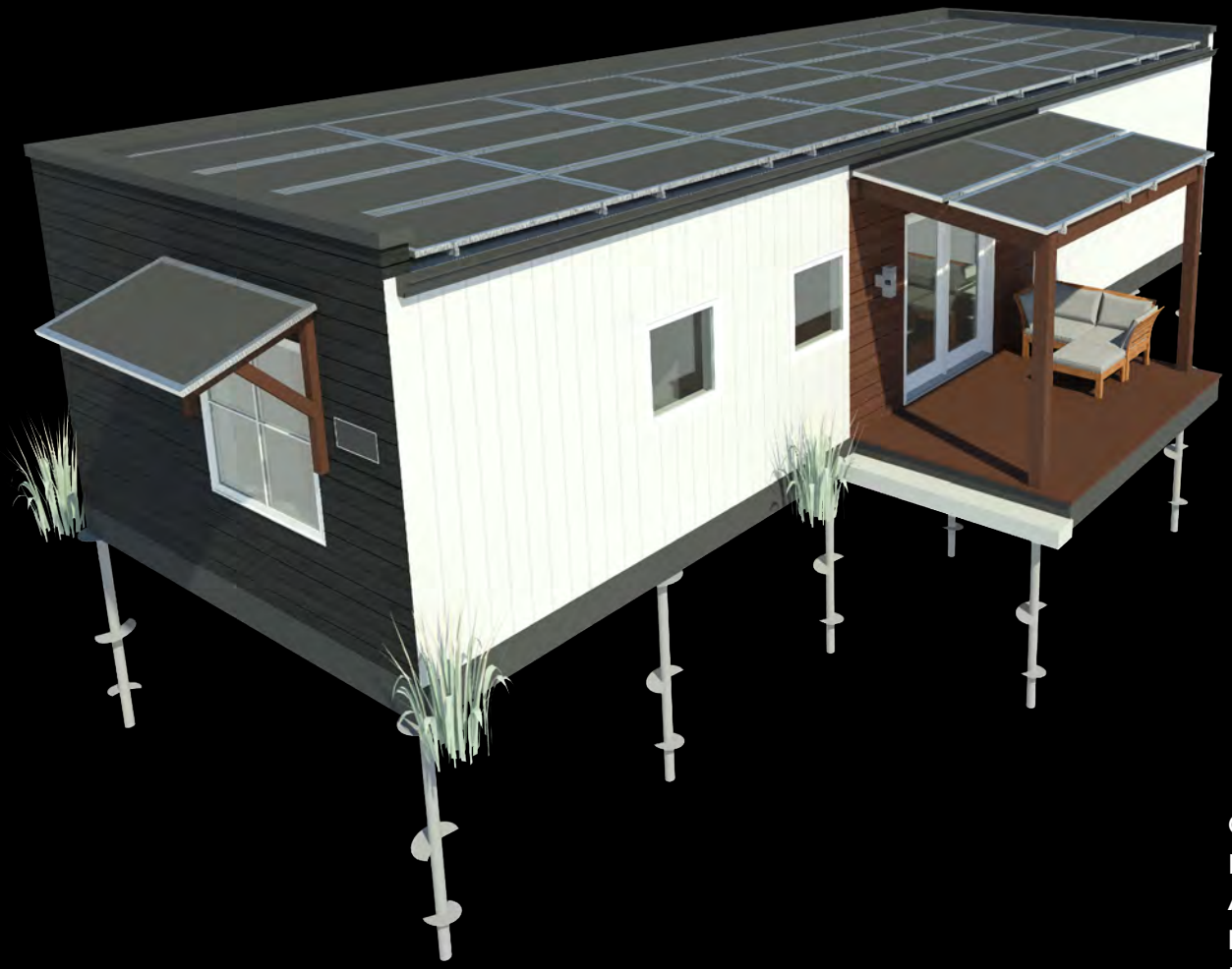
Solar Villa

SIP Walls

Consumer Problem Solved: Leaky, Cold Homes
Advantage over Traditional 2x6: 35% Less Labor

Factory Integrated Solar

Consumer Problem Solved: Electric Bill
Advantage over On-Site Install: 45% Lower Install Cost



Membrane+ Solar Roof

Consumer Problem Solved: Double warranty of most shingle roofs.
Solar absorbs UV, prevents ice-build-up

Advantage over Shingle:
30% Lower Cost

Steel Siding No-paint Trim

Consumer Problem Solved: Maintenance

Helical Pile Foundation

Consumer Problem Solved: Settling, Cracking
Advantage over Traditional:
1 Day Installation

Heat Pump

Consumer Problem Solved: High Heating Costs
Advantage over On-Site Install:
50% Lower Cost Than Natural Gas Furnace

Net Zero: 100% of heat and electricity provided by solar

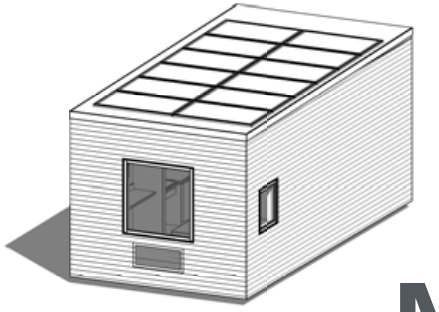
Attached
Two Level
Townhomes

Attached Single Level Townhomes

Detached
Single Level
Homes

SOLAR PODS

Luxury Mini Apartments



MULTIFAMILY

FACTORY

FLOOR BOX

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WALLS

ROUGH MODULE

SOLAR

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10kW Array

$6,813 Material

$1,332 Labor

$512 Shop Overhead

SOLAR

10kW Array

$0.85 / W DC

Installed

SOLAR

TRANSPORT

HEATED SHELL

FINISH

FINISH

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SCREW PILE FOUNDATIONS

SETTING

C OF O

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Net Zero:

100% of heat and electricity provided by solar

Fresh Air Exchange
Triple Pane Windows
Factory Installed Solar
Low Maintenance Exteriors
Air Source Heat Pump
GREE

Cost

	Material	Labor	Factory Overhead
Villa 650	**$83 /sqft**	**$25/sqft**	**$2.20 /sqft**

Foundation $6-9 sqft

Trans & Install $3-7

$126/sqft + Margin

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NYSERDA

Partners

Solar Village Company LLC	Solar Home Factory LLC	Bergmann and Associates	EPS Building & Finger Lakes Construction
Site Construction	Modular Construction	Site Selection	Structural Engineering
Local Approvals		CMA	SIP Wall Kits
State Approvals		Planning	
Marketing		Civil Engineering	
Sales			

Local 840

Local 276

City of Geneva

State of New York - Empire State Development