

Solar Inspection Certificate



Sprk Certified Solar Home

Address: 1250 S. Main St. Edmonton, AB

Sqft: 2,450

Built: 2001

Client: John Doe

Inspection Date: 8/15/2023

Inspection Time: 11:30 AM

Weather: Sunny, 97° F



08/15/2023


214806117

**Solar
System
Grade** **A**



This inspection and report is not a warranty, guarantee or insurance policy for the inspected solar system or home.

Solar Inspection Summary



Solar System

8.1 kW

94%

A

	Score	Grade
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Solar System Remaining Life

Page 3

93%

Excellent	Good	Fair	Poor	Fail
✓				
A	B	C	D	F



Solar Energy Production

Page 4

100%

Excellent	Good	Fair	Poor	Fail
✓				
A	B	C	D	F



Solar Energy Storage

Page 5

83%

Excellent	Good	Fair	Poor	Fail
	✓			
A	B	C	D	F



Safety and Installation Quality

Page 6-7




94%

Excellent	Good	Fair	Poor	Fail
✓				
A	B	C	D	F



Life Cycle of a Solar System



SYMBOL	
Inverter Replacement Interval	
Panels Replacement Interval	
Current year	

Remaining Life

40 Years

Solar Panels
80%

10 Years
Solar Inverter
100%



EXPECTED MONTHLY SOLAR PRODUCTION



Year Expected Production: 14,500 kWh's

Solar Production Health

Measured energy output per year in kWh: 13,500

SCORE 100%



Solar Panel Orientation Optimization

Southern	2	4%
Western	21	45%
Eastern	18	40%
Northern	5	11%
SCORE	94%	



Solar Monitoring

Solar equipped with monitoring

Yes No

SCORE 100%

Solar Breaker Size

Actual: 25, Expected: 25

SCORE 100%



Solar Inverter

Solar system size	8,100	watts
Inverter size	6,600	
Actual solar to inverter(s) ratio	80%	
Ideal solar to inverter(s) ratio	80%	
Inverter type	String	
SCORE	100%	





Battery Storage

Does the home have backup energy?

- No
- Partial home
- Full home

SCORE

60%



Battery Storage Information

Battery installation date	2022
Battery age	1 year
Battery manufacturer	Tesla
Battery warranty	10 years
Remaining warranty	9 years
Battery storage capacity	13 kWhs
Battery count	1
Total battery storage capacity	13 kWhs



Net Metering

Solar equipped with utility net metering?

- Yes
- No

SCORE

100%





Solar Breaker and Conduit Labeled

Solar breaker labeled?

- Yes
 No

Solar conduit labeled?

- Yes
 No

SCORE

50%



Solar Label on Exterior of Electrical Panel

Electrical panel labeled for solar?

- Yes
 No

SCORE

100%



Solar Panel Clamps

Any loose solar panel clamps?

- Yes
 No

SCORE

100%



Solar Wire Management

Any solar wires touching the roof?

- Yes
 No

SCORE

100%





Fire Code Setbacks

Fire code setback violations?

- Yes
 No

SCORE

100%



Pest Proofing

Pest proofing installed?

- Yes
 No

SCORE

0%



Solar Panels with Broken Glass

Broken solar panels?

- Yes
 No

SCORE

100%



Other Visible Damage

Other solar system damage?

- Yes
 No

SCORE

100%



COMMENTS



Solar System Details		Inverter Details	
Solar System Size	8.1 kW	Inverter Type	String
Installation Date	2015	Inverter Manufacturer	SMA
Age of Solar System	10 Years	Inverter Age	0 Years
Annual kWh Production	13,810	Inverter Wattage	7,600
Annual Market Value of Energy Produced	\$2,485	Original Inverter Warranty	10 Years
Monthly Market Value of Energy Produced	1,150	Remaining Warranty Time	10 Years
Monthly Market Value	\$207	Monitoring Access	Yes

Solar System Details	Solar Array #1	Solar Array #2	Solar Array #3	Solar Array #4
Solar Azimuth	180	270		
Solar Panel Count	19	18		
Panel Wattage	225	225		
Array Size in kW	4.1	4.0		
Solar Panel Manufacturer	Solar World	Solar World		
Solar Warranty	25 Years	25 Years		
Year 1 kWh Production	7,695	6,115		
Number of Inverters	1	1		

Solar Installer Details	
Solar Installer	Titan Solar
Still in Business	No
Workmanship Warranty	10 Years
Phone Number	1(800) 921-2998
Email	support@titansolar.com

3 STEPS TO BUY A SOLAR HOME

Phase 1: Collaborate

- Step 1: Obtain** solar information from Seller
- Step 2: Learn** about the solar home

Phase 2: Connect

- Step 3: Optimize** your solar home

PHASE ONE: COLLABORATE ONCE HOME PURCHASE CONTRACT IS SIGNED

Step 1: Obtain solar information from Seller

- Share this Step-By-Step Guide with your agent
- Obtain from Seller or Generate Your Own:
 - Green Home Transaction Certificate and Green Home Buyer report link
 - Any other solar documentation

Step 2: Learn about the solar home

- Review Green Home Buyer Report
- Review solar documentation
- Share the Green Home Transaction Certificate with:
 - Real Estate Agent
 - Title/Escrow Agent
- Order a Solar Inspection Certificate from a Sprk Certified Home Inspector
- Order a Green Home Appraisal Certificate from Sprk Certified Loan Officer

PHASE TWO: CONNECT ONCE THE CLOSE OF ESCROW

Step 3: Optimize your solar home

- Contact the electricity utility company to:
 - Transfer service into your name, rather than shutting off electricity
 - Transfer the existing net metering agreement into your name
- Get solar monitoring info from Seller
- Connect solar monitoring to your wifi
- Contact solar installer to troubleshoot any solar issues
- Leverage Sprk Green Home Energy/Buyer Report to optimize your new home
- Clean solar panels annually

DOCS SOLAR DOCUMENTS

- Solar Installation Agreement
- Electricity Utility Net Meter/Billing Agreement
- Solar Panel Warranty
- Solar Inverter Warranty
- Battery Warranty
- Green Home Reports from Sprk: Energy/Buyer Report / Transaction Certificate / Inspection Certificate / Appraisal Certificate