



REVISION ENERGY

May 12, 2021

Town of Plainfield
Building Inspector
PO Box 380
Meriden, NH 03770

Greetings,

Enclosed is a completed application for a Solar installation at:

182 Whitaker Rd

Also included are the necessary requirements needed for the permit, a check for \$50.00 and a self-addressed stamped envelope for your convenience.

Please note the customer has authorized ReVision Energy, Inc to apply and obtain any permits necessary for this installation.

If you have any questions, or need additional information regarding this application, please feel free to contact me.

Thank you and Enjoy the Sun!

Sue Morrison

Employee-Owner | Operations Administrator
(603) 583-4380 Direct

[ReVision Energy](#), a [Certified B Corp](#)

[Locations](#) in Maine, New Hampshire and Massachusetts

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Q.PEAK DUO L-G8.2

415-430

ENDURING HIGH PERFORMANCE



Q.PEAK DUO L-G8.2
Best polycrystalline solar module 2014



1.78 W/m² module output



YIELD SECURITY

- ANTI PID TECHNOLOGY (APD)
- HOT-SPOT PROTECT (HSP)
- TRACEABLE QUALITY (TRA.Q™)
- ANTI LID TECHNOLOGY (ALD)



Q.ANTUM TECHNOLOGY: LOW LEVELISED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 20.3%.



INNOVATIVE ALL-WEATHER TECHNOLOGY

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



ENDURING HIGH PERFORMANCE

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



EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (2400 Pa).



A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty¹.



STATE OF THE ART MODULE TECHNOLOGY

Q.ANTUM DUO combines cutting edge cell separation and innovative 12-busbar design with Q.ANTUM Technology.

¹ See data sheet on rear for further information

THE IDEAL SOLUTION FOR:



Rooftop arrays on commercial / industrial buildings



Ground mounted solar power plants

/ Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/
SE7600H-US / SE10000H-US / SE11400H-US

Model Number	SE3000H-US	SE3800H-US	SE5000H-US	SE6000H-US	SE7600H-US	SE10000H-US	SE11400H-US	
APPLICABLE TO INVERTERS WITH PART NUMBER	SEXXXXH-XXXXXBXX4							
OUTPUT								
Rated AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	VA
Maximum AC Power Output	3000	3800 @ 240V 3300 @ 208V	5000	6000 @ 240V 5000 @ 208V	7600	10000	11400 @ 240V 10000 @ 208V	VA
AC Output Voltage Min.-Nom.-Max. (211 - 240 - 264)	✓	✓	✓	✓	✓	✓	✓	Vac
AC Output Voltage Min.-Nom.-Max. (183 - 208 - 229)	-	✓	-	✓	-	-	✓	Vac
AC Frequency (Nominal)	59.3 - 60 - 60.5 ¹⁾							Hz
Maximum Continuous Output Current @240V	12.5	16	21	25	32	42	47.5	A
Maximum Continuous Output Current @208V	-	16	-	24	-	-	48.5	A
Power Factor	1, adjustable -0.85 to 0.85							
GFDI Threshold	1							A
Utility Monitoring, Islanding Protection, Country Configurable Thresholds	Yes							
INPUT								
Maximum DC Power @240V	4650	5900	7750	9300	11800	15500	17650	W
Maximum DC Power @208V	-	5100	-	7750	-	-	15500	W
Transformer-less, Ungrounded	Yes							
Maximum Input Voltage	480							Vdc
Nominal DC Input Voltage	380			400				Vdc
Maximum Input Current @240V ²⁾	8.5	10.5	13.5	16.5	20	27	30.5	Adc
Maximum Input Current @208V ²⁾	-	9	-	13.5	-	-	27	Adc
Max. Input Short Circuit Current	45							Adc
Reverse-Polarity Protection	Yes							
Ground-Fault Isolation Detection	600ka Sensitivity							
Maximum Inverter Efficiency	99	99.2						%
CEC Weighted Efficiency	99						99 @ 240V 98.5 @ 208V	%
Nighttime Power Consumption	< 2.5							W

¹⁾ For other regional settings please contact SolarEdge support

²⁾ A higher current source may be used, the inverter will limit its input current to the values stated



REVISION ENERGY



- **Permit Authorizations.** Owner hereby authorizes ReVision Energy to act as Owner's Agent for the limited purpose of applying for and obtaining any permit or approval from each Authority Having Jurisdiction that may be required for the installation of the Renewable Energy System described in this Contract to be located on Owner's property.

4.6 Cancellation/Refunds Due to Required Structural Modifications

After any structural review required by state or local building officials, Contractor will review any required modifications with Owner. If it is determined that required structural upgrades are cost prohibitive, Owner will have the right to cancel the contract and receive a deposit refund, less costs already incurred by contractor prior to cancellation.

You may CANCEL this transaction, without any penalty or obligation, within three business days from the day on which you sign this contract.

This Contract is entered into as of the day and year first written above.

ReVision Energy		Owner	
Sign:		Sign:	
Print:	Fortunat Mueller, President	Print:	Katherine A. Laflam
Date:	March 26, 2021	Date:	Mar 26 2021 18:11 EDT

PROJECT SUMMARY:

THE PROJECT SCOPE INCLUDES THE DESIGN, SPECIFICATION, PROCUREMENT, INSTALLATION AND COMMISSIONING OF A COMPLETE TURN-KEY, GRID-TIED PHOTOVOLTAIC ELECTRIC SYSTEM.

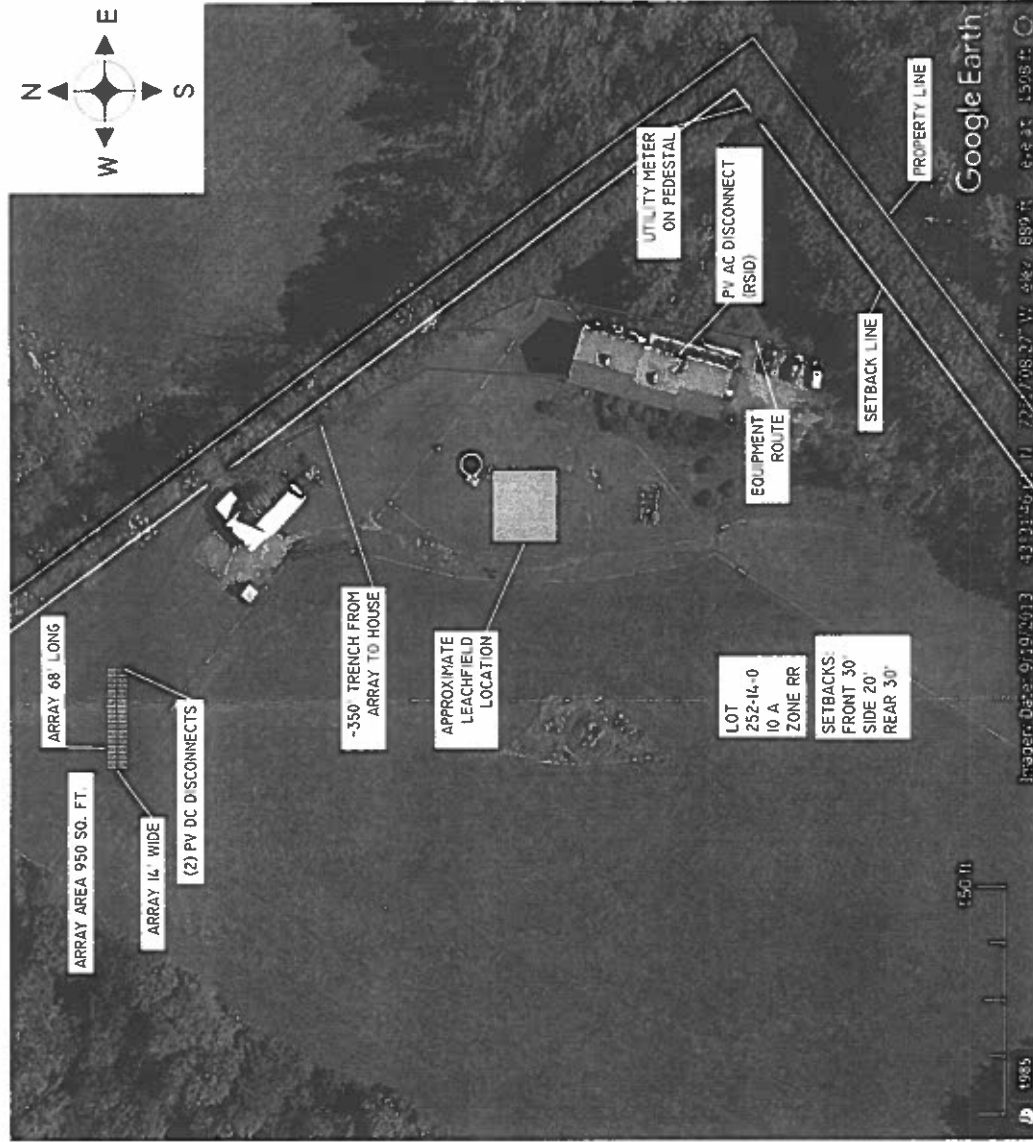
MODULE TYPE	(40) CELLS Q-PEAK DUO L-68.2 430W
INVERTER	(2) SE7600H-US
OPTIMIZER	(40) SOLAREEDGE P485
ARRAY PITCH	55°
ARRAY AZIMUTH	80°
RACKING	APA READY RACK

DESIGN CRITERIA:

OCCUPANCY	RESIDENTIAL
DESIGN WIND LOAD	15 MPH
RISK CATEGORY	I
GROUND SNOW LOAD	90 PSF
EXPOSURE CATEGORY	C

EQUIPMENT LOCATIONS:

- HOUSE INTERIOR:
 - MAIN LOAD CENTER
 - PV AC COMBINER PANEL
 - (2) SOLAR INVERTERS
 - PV AC DISCONNECT
- HOUSE EXTERIOR:
 - PV RAPID SHUTDOWN DISCONNECT (RS D)
- AT ARRAY:
 - (2) PV DC DISCONNECTS
- AT PEDESTAL:
 - UTILITY NET METER



CLIENT:
 KATHY LAFLAM
 182 WHITAKER RD
 MERIDEN NH, 03770

SYSTEM TYPE:
 17.2KW DC GRID TIED SOLAR
 PHOTOVOLTAIC SYSTEM

FOR CONSTRUCTION

DESIGNED BY: MCF
 REVISION: 0
 PRINT SIZE: 11" x 17"
 DATE: 5/11/2011
 DRAW TITLE: SITE PLAN
 DRAW NUMBER: A001

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