



Building Inspection Department

Jason Dool
Chief Building Inspector

Lockport Municipal Building
One Locks Plaza
Lockport, NY 14094
Phone (716) 439-6754
Fax (716) 439-6605

June 26, 2024

Megan Brewer

REGULAR MEETING

Please be advised that there is one (1) item on the agenda for the regularly scheduled meeting of the Planning Board to be held **Monday, July 1, 2024** at 5:00 P.M.

1. Bob Timkey. 1149 Lincoln Avenue. Request to install 152 roof mounted solar panels on the west side of the building situated in a B-1 Zone

If you cannot attend this meeting, please contact Megan Brewer at 716-439-6754 or mbrewer@lockportny.gov

APPLICATION: APPROVED _____ DISAPPROVED _____

**CITY OF LOCKPORT
PLANNING BOARD APPLICATION**

DESCRIPTION OF PROPOSED REQUEST:

NAME OF PROPERTY: Dr. Christopher Beney PHONE: 716-433-2674

NAME OF APPLICANT: Bob Timkey PHONE: 716-880-6000

ADDRESS OR LOCATION OF PROPOSAL: 1149 Lincoln Ave., Lockport, NY 14094

SIZE OF PARCEL OR STRUCTURE: 10,400 sq. ft.

EXISTING ZONING: Commercial

PROPOSED REQUEST Installation of (152) roof mounted solar panels on West facing roof

of existing building.

REQUIRED ENCLOSURES:

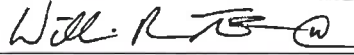
In order to provide the City Planning Board with adequate information on which to base its decision, this application will not be heard unless the following information is submitted ten (10) days prior to the meeting by no later than 1 p.m.

1. Adequate description of proposal.
2. Survey of property affected, together with a Plot Plan which shows the distance to nearest intersection, proposed physical layout of the property including any existing or proposed structures, traffic access patterns, parking arrangements, walls, fences or other buffers and signs.

SEQRA:

This proposal constitutes a: () Type I, () Type II, () Unlisted action as per the provisions of the State Environmental Quality Review Act. A determination of environmental significance has been made: () yes, () no; a copy of this determination is attached () yes, () no.

PROPERTY OWNER'S SIGNATURE 

APPLICANT'S SIGNATURE 

**PLEASE NOTE YOU OR A REPRESENTATIVE ARE TO BE PRESENT
AT THE MEETING TO PRESENT YOUR PROJECT TO THE BOARD.**

CITY OF LOCKPORT
BUILDING INSPECTION DEPARTMENT

ONE LOCKS PLAZA

PHONE-439-6754

FAX-439-6605

BUILDING PERMIT APPLICATION FOR
GENERAL CONSTRUCTION

Job Location: 1149 Lincoln Avenue, Lockport Date: 5/30/24

Owner: Dr. Christopher Beney Address (if different): same

Phone: 716-433-2674 City: Lockport Zip: 14094

Construction Cost: \$179,400

Description of work: (152) roof mounted solar panels on West facing roof of
small-commercial office building.

Contractor(s): Go Solar, LLC
Bob Timkey, Owner / Operator

Please Attach the Following:
(New Construction only)

- Property survey that is current and accurate
- 2 sets of plans for new construction
- Setback dimensions (front, rear and all sides)
- Sketch if altering interior dimensions
- Locations of the proposed structures

The Owner/ Applicant agrees to conform to all applicable laws of this jurisdiction, adhere to the plans and specifications affixed hereto and permit Building Department personnel to perform required inspections.

Applicant's Name:(if different than owner) Will R. Timkey (attach letter of agency)

Owner/ Applicant Signature: [Signature] Date: 5/30/24

May 30, 2024

NYSEG
Distributed Generation Services

Dr. Christopher Beney
1149 Lincoln Ave.
Lockport, NY 14094

LETTER OF AUTHORIZATION

To Whom It May Concern:

Please be advised that Go Solar, LLC has been contracted and authorized to complete installation of 79.04 kW residential solar pv power generation system for my office building at the above listed address.

Go Solar, LLC is authorized to represent me in official matters dealing with this installation.

Respectfully,

A handwritten signature in black ink, appearing to read "C. Beney". The signature is written in a cursive style with a large initial "C" and a stylized "Beney".

Dr. Christopher Beney,
Owner,
NYSEG Acct # 1005-083-4463

NEW PV SYSTEM: 79.04 kWDC, 72.20 kWAC

DR. CHRISTOPHER BENEY

1149 LINCOLN AVE., LOCKPORT, NY 14094



DR. CHRISTOPHER BENEY
1149 LINCOLN AVE.
LOCKPORT, NY 14094
APN: 123-12-1-4-112

DATE	DESCRIPTION
11/15/17	ISSUED FOR PERMIT
11/15/17	ISSUED FOR PERMIT
11/15/17	ISSUED FOR PERMIT
11/15/17	ISSUED FOR PERMIT

COVER PAGE
SHEET 1 OF 1

2.1.1 ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

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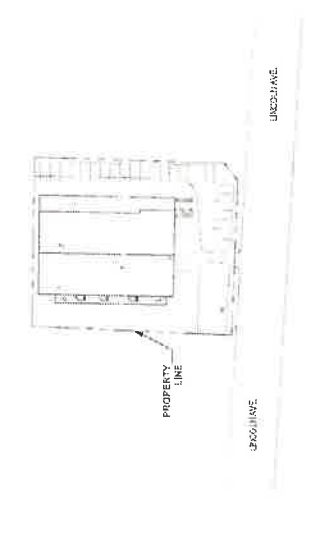
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AERIAL VIEW:



PLAN MAP:



SYMBOL LEGEND

1	1" = 1' ELECTRICAL PANEL	10	UTILITY POLE	19	PROPERTY LINE
2	1" = 1' ELECTRICAL PANEL	11	UTILITY POLE	20	UTILITY POLE
3	1" = 1' ELECTRICAL PANEL	12	UTILITY POLE	21	UTILITY POLE
4	1" = 1' ELECTRICAL PANEL	13	UTILITY POLE	22	UTILITY POLE
5	1" = 1' ELECTRICAL PANEL	14	UTILITY POLE	23	UTILITY POLE
6	1" = 1' ELECTRICAL PANEL	15	UTILITY POLE	24	UTILITY POLE
7	1" = 1' ELECTRICAL PANEL	16	UTILITY POLE	25	UTILITY POLE
8	1" = 1' ELECTRICAL PANEL	17	UTILITY POLE	26	UTILITY POLE
9	1" = 1' ELECTRICAL PANEL	18	UTILITY POLE	27	UTILITY POLE

SCOPE OF WORK: 152K 500V 72.20 kWAC
SYSTEM SIZE: 152K 500V 72.20 kWAC
152K 500V 72.20 kWAC (475VAC) INVERTERS
RACKING TYPE: IRONRIDGE ARE 41 RAILS W/ 634 654 CLAMPS



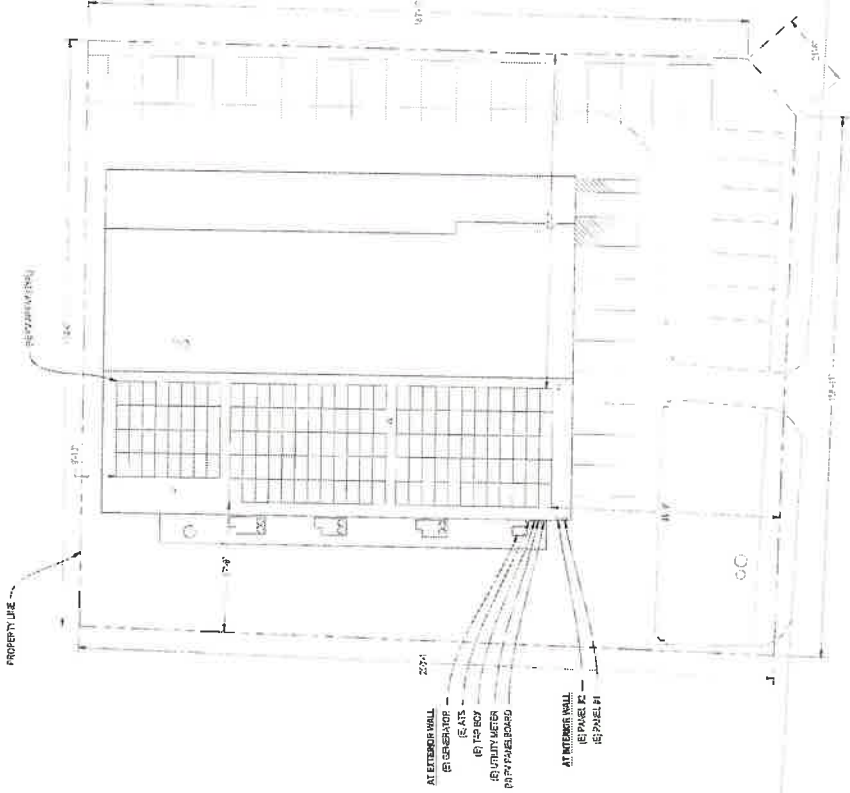
PROJECT NO. 12345
 DATE 12/12/2023

NO.	REVISION	DATE

SCALE: 1/8" = 1'-0"

SITE PLAN

GENERAL NOTES
 1. SEE ALL DIMENSIONS TO FACE UNLESS NOTED OTHERWISE.



LINCOLN AVE.

LINCOLN AVE.



GoSolar
 117 WEST WOOD STREET, SUITE 200
 ROCKY HILL, CT 06151-1000
 PHONE: 860-261-1000

PROJECT NAME
 PROJECT NUMBER

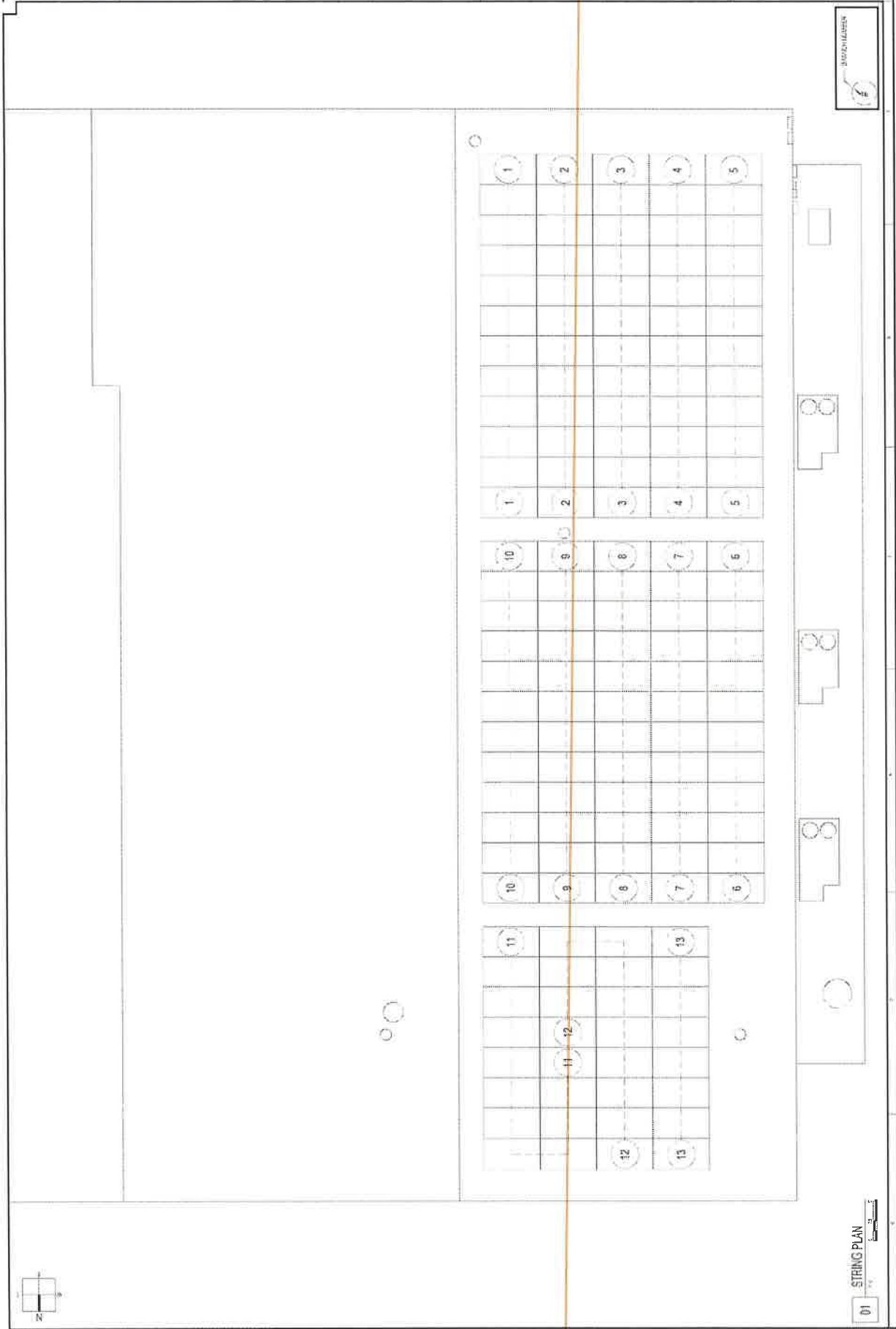
PROJECT OWNER
 DR. CHRISTOPHER BENEY
 1149 LINCOLN AVE.
 LOOKPORT, NY 14094
 APN: 123.12-1-4.112

DATE	DESCRIPTION

SCALE
 1" = 5' 0"

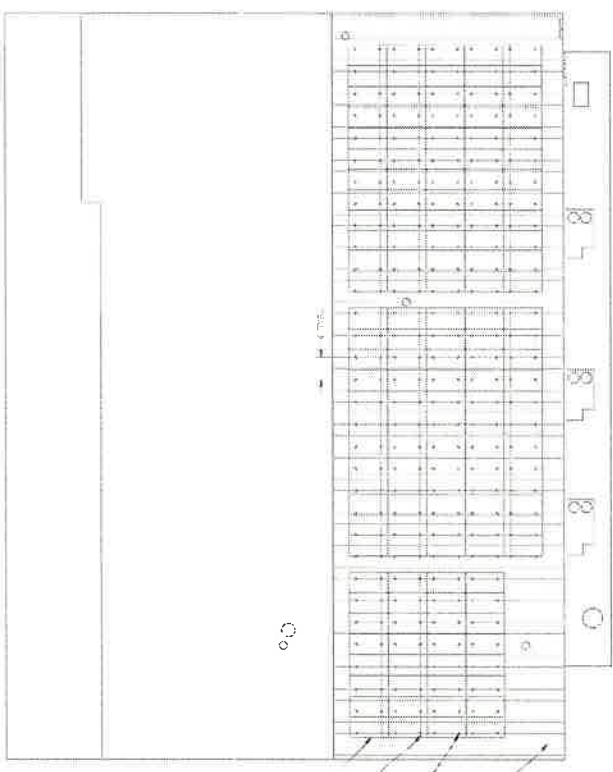
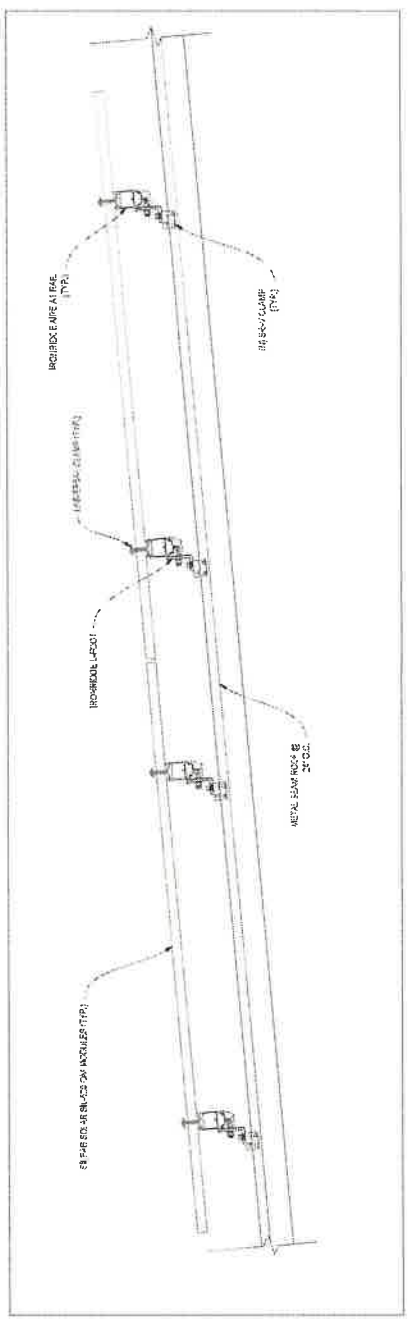
PROJECT NUMBER
 STRING PLAN

SHEET #
 A-102





02 MOUNTING DETAILS



01 STRUCTURAL PLAN

PROJECT # 104
 DR. CHRISTOPHER BENY
 1149 LINCOLN AVE.
 LOOKPORT, NY 14094
 APN 123.12-1-4.112

PROJECT # 104

NO.	REV.	DATE	BY	CHKD	DESCRIPTION

PROJECT # 104
 DATE 11/13/13
 SCALE 1/8" = 1'-0"



PROJECT # 274

DR. CHRISTOPHER BENEY
1149 LINCOLN AVE.
LOOKPORT, NY 14094
APR 123 12-14-112

NO. OF PANELS	10
NO. OF STRINGS	2
NO. OF INVERTERS	1
NO. OF METERING DEVICES	1
NO. OF METERING DEVICES	1
NO. OF METERING DEVICES	1
NO. OF METERING DEVICES	1
NO. OF METERING DEVICES	1
NO. OF METERING DEVICES	1
NO. OF METERING DEVICES	1
NO. OF METERING DEVICES	1

DATE: 04/11/12
DRAWN BY: J. BENEY
CHECKED BY: J. BENEY
SCALE: 1:1

NO. OF PANELS: 10
NO. OF STRINGS: 2
NO. OF INVERTERS: 1

NO. OF PANELS: 10
NO. OF STRINGS: 2
NO. OF INVERTERS: 1

SYSTEM SUMMARY

Design low temp.	Ambient temperature	Temp. coeff. of Voc	Max Voc
-13.9	25.4	-0.24	47.52
V/C			
-0.11			
Max Voc			
5.28			
52.83			

BRANCH #

# MODULES PER BRANCH	BRANCH DC POWER	BRANCH AC POWER
1	12	5700
2	12	5700
3	12	5700
4	12	5700
5	12	5700
6	12	5700
7	12	5700
8	12	5700

CONDUCTOR AND CONDUIT SCHEDULE W/ELECTRICAL CALCULATIONS

ID	TYPICAL	CONDUCTOR	CONDUIT	CURRENT-CARRYING CONDUCTORS IN CONDUIT
01A	1E	12 AWG 4 CORE RHW GD CABLE	FREQ AIR	16A
01B	1	12 AWG 4 CORE RHW GD CABLE	FREQ AIR	16A
02A	1E	10 AWG THHN-2 COPPER	3/4" EMT	34A
02B	1	10 AWG THHN-2 COPPER	3/4" EMT	34A
03	1	350 MCM THHN-2 COPPER	2-1/2" EMT	34A

MODULES

QTY	WIRE AND MODEL	MAX ISC	ISC	VDC	WHP	TEMP. COEFF. OF VDC	MAX FUSE RATING
10	SIL FAB SOLAR SIL-ENR 60A	52.8W	15.95A	47.52V	40.48W	-0.24/deg C	25A
11							
12							
13							

INVERTERS

QTY	MAKE AND MODEL	AC VOLTAGE	RATED POWER	MAX OUTPUT CURRENT	MAX INPUT CURRENT	MAX INPUT VOLTAGE	DC EFFICIENCY
107	EMPHASE LCP-35-72-US (200V)	208V	475W	2.28A	14A	55V	97.50%

DESIGN TEMPERATURES
 -15.9°C (5.5°F) SOURCE: NIMGARA FALLS INTL NY USA
 26.4°C (80°F) SOURCE: NIMGARA FALLS INTL NY USA
 ASHRAE 2% HIGH

WARNING
 ELECTRICAL SHOCK HAZARD
 TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

CAUTION
 SOLAR ELECTRIC SYSTEM CONNECTED

WARNING
 PHOTOVOLTAIC POWER SOURCE

WARNING
 RATED AC OUTPUT CURRENT EXCEEDS NOMINAL OPERATING AC VOLTAGE

WARNING
 PHOTOVOLTAIC SYSTEM AC DISCONNECT

CONDUCTOR AND CONDUIT SCHEDULE W/ELECTRICAL CALCULATIONS

ID	TYPICAL	CONDUCTOR	CONDUIT	CURRENT-CARRYING CONDUCTORS IN CONDUIT	TEMP. CORR. FACTOR	CONDUIT FILL FACTOR	MAX. CURRENT (125% FOR DC, 105% FOR AC)	BASE AMP.	DERATED AMP.	TEMP. RATING	AMP. @ TERMINAL	LEADERS (FT)	VOLTAGE DROP %
01A	1E	12 AWG 4 CORE RHW GD CABLE	FREQ AIR	16A	1.0	16.77A	16.77A	40A	40A	60°C	30A	56	1.32
01B	1	12 AWG 4 CORE RHW GD CABLE	FREQ AIR	16A	1.0	16.77A	16.77A	40A	40A	60°C	30A	30	0.72
02A	1E	10 AWG THHN-2 COPPER	3/4" EMT	34A	1.0	15.82A	15.82A	42A	42A	60°C	30A	50	0.78
02B	1	10 AWG THHN-2 COPPER	3/4" EMT	34A	1.0	15.82A	15.82A	42A	42A	60°C	30A	50	1.41
03	1	350 MCM THHN-2 COPPER	2-1/2" EMT	34A	1.0	20.17A	20.17A	352A	352A	75°C	30A	16	0.86

WARNING
 PHOTOVOLTAIC SYSTEM AC DISCONNECT

CAUTION
 SOLAR ELECTRIC SYSTEM CONNECTED

WARNING
 PHOTOVOLTAIC POWER SOURCE

WARNING
 RATED AC OUTPUT CURRENT EXCEEDS NOMINAL OPERATING AC VOLTAGE

WARNING
 PHOTOVOLTAIC SYSTEM AC DISCONNECT

CAUTION
 SOLAR ELECTRIC SYSTEM CONNECTED

REMARKS/NOTES
 1. LABELING REQUIREMENTS BASED ON THE 2017 NATIONAL ELECTRICAL CODE INTERNATIONAL WIRE CODE 600.11. CABLE STRANDA 10-6015, ANSI C555-1355. LABELING BASED ON THE REQUIREMENTS OF THE NATIONAL FIRE ALARM AND SIGNALING ASSOCIATION (NFPA) 70-2017. LABELING TO BE SUFFICIENT GUIDANCE TO WITHSTAND THE ENVIRONMENT PROVIDED TO BE A MINIMUM LETTER HEIGHT OF 1/8" AND IMMEDIATELY ATTACHED TO THE WIRE OR CABLE. "DANGER" SHALL HAVE RED BACKGROUND. "WARNING" SHALL HAVE ORANGE BACKGROUND. "CAUTION" SHALL HAVE YELLOW BACKGROUND. "NOTICE" SHALL HAVE GREEN BACKGROUND. ALL LABELS SHALL BE PERMANENTLY ATTACHED TO THE WIRE OR CABLE. LABELS SHALL BE HANDWRITTEN PER NEC 110.21(B). LABELS SHALL HAVE SUFFICIENT DETAIL SO THAT EACH CIRCUIT MAY BE IDENTIFIED FROM ALL OTHERS.
 INTERACTIVE PHOTOVOLTAIC SYSTEM CONNECTED PHOTOVOLTAIC SYSTEM DISCONNECT LOCATED SOUTH WEST SIDE OF THE BUILDING
 DIRECTOR
 REMAINING PLACE ON LABELS FOR THE LOCATION OF THE SERVICE NOT IN THE SHARP CORNER IS NOT A 1:1 RATIO.
 WHERE THE PHOTOVOLTAIC SYSTEM IS LOCATED IN THE SERVICE AREA, THE PHOTOVOLTAIC SYSTEM SHALL BE IDENTIFIED AS SUCH BY SYSTEM EQUIPMENT AND DEBARKING MEANS SHALL BE IDENTIFIED AS SUCH BY THE PHOTOVOLTAIC SYSTEM.



CAUTION
 POWER TO THIS SERVICE IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECT LOCATED AS SHOWN

WARNING
 PHOTOVOLTAIC SYSTEM AC DISCONNECT

WARNING
 RATED AC OUTPUT CURRENT EXCEEDS NOMINAL OPERATING AC VOLTAGE

WARNING
 PHOTOVOLTAIC SYSTEM AC DISCONNECT

CAUTION
 SOLAR ELECTRIC SYSTEM CONNECTED

IQ8 Commercial Microinverters



Key to install:

- Mount on a clean, dry, flat surface.
- Use the provided mounting hardware.
- Ensure proper polarity and voltage.
- Securely fasten the inverter.
- Check for proper operation.

Benefits:

- High efficiency.
- Low temperature coefficient.
- Wide operating temperature range.
- Low temperature coefficient.
- Wide operating temperature range.
- Low temperature coefficient.

Technical Specifications:

Parameter	Value
Power	150W
Voltage	120V
Current	12.5A
Efficiency	97%
Temperature Range	-40°C to 60°C
Dimensions	100mm x 100mm x 25mm

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IQ Gateway Commercial 2



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IQ Gateway Commercial 2

Key to install:

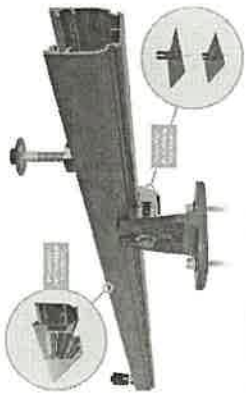
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Voltage	120V
Current	12.5A
Efficiency	97%
Temperature Range	-40°C to 60°C
Dimensions	100mm x 100mm x 25mm



- Strength Tested**
All components have been subjected to an independent third party testing.
- Class A Fire Rating**
The flush mount system meets Class A fire rating requirements.
- UL 2900 Listed System**
The flush mount system is UL 2900 listed for use with solar panels.
- 25 Year Warranty**
The flush mount system is covered by a 25-year warranty.
- PE Certified**
The flush mount system is PE certified for use with solar panels.
- Approved Cable Ties**
The flush mount system is approved for use with specific cable ties.
- 25 Year Warranty**
The flush mount system is covered by a 25-year warranty.

The Right Way to Attach Almost Any Thing to Metal Roof!

S-5-V Clamp
The S-5-V clamp is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

S-5-V Mini
The S-5-V Mini clamp is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

8.5-V Mini Clamp
The 8.5-V Mini clamp is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

Deep Anchor
The Deep Anchor is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

Adjustable Bolt, Nut and Washer
The Adjustable Bolt, Nut and Washer is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

Adjustable Bolt
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Adjustable Nut
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Adjustable Washer
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The Right Way!

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Adjustable Washer
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The Right Way!

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The Deep Anchor is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

Adjustable Bolt, Nut and Washer
The Adjustable Bolt, Nut and Washer is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

Adjustable Bolt
The Adjustable Bolt is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

Adjustable Nut
The Adjustable Nut is a versatile clamp, fitting most of the popular types of metal roof panels in North America.

Adjustable Washer
The Adjustable Washer is a versatile clamp, fitting most of the popular types of metal roof panels in North America.