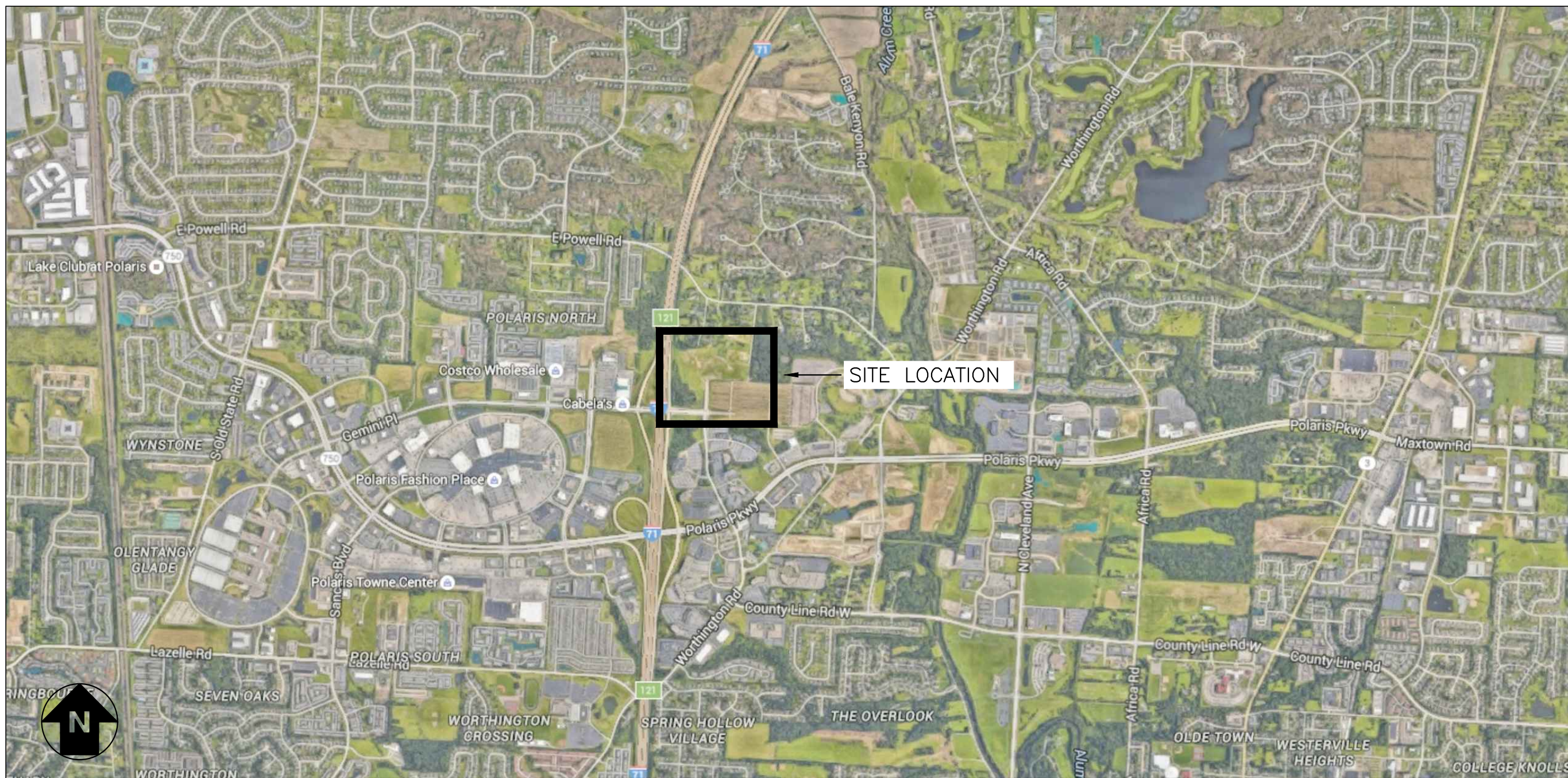


Case No. 17-0107-EL-REN
IKEA-STO511
Staff Interrogatories – Initial Set

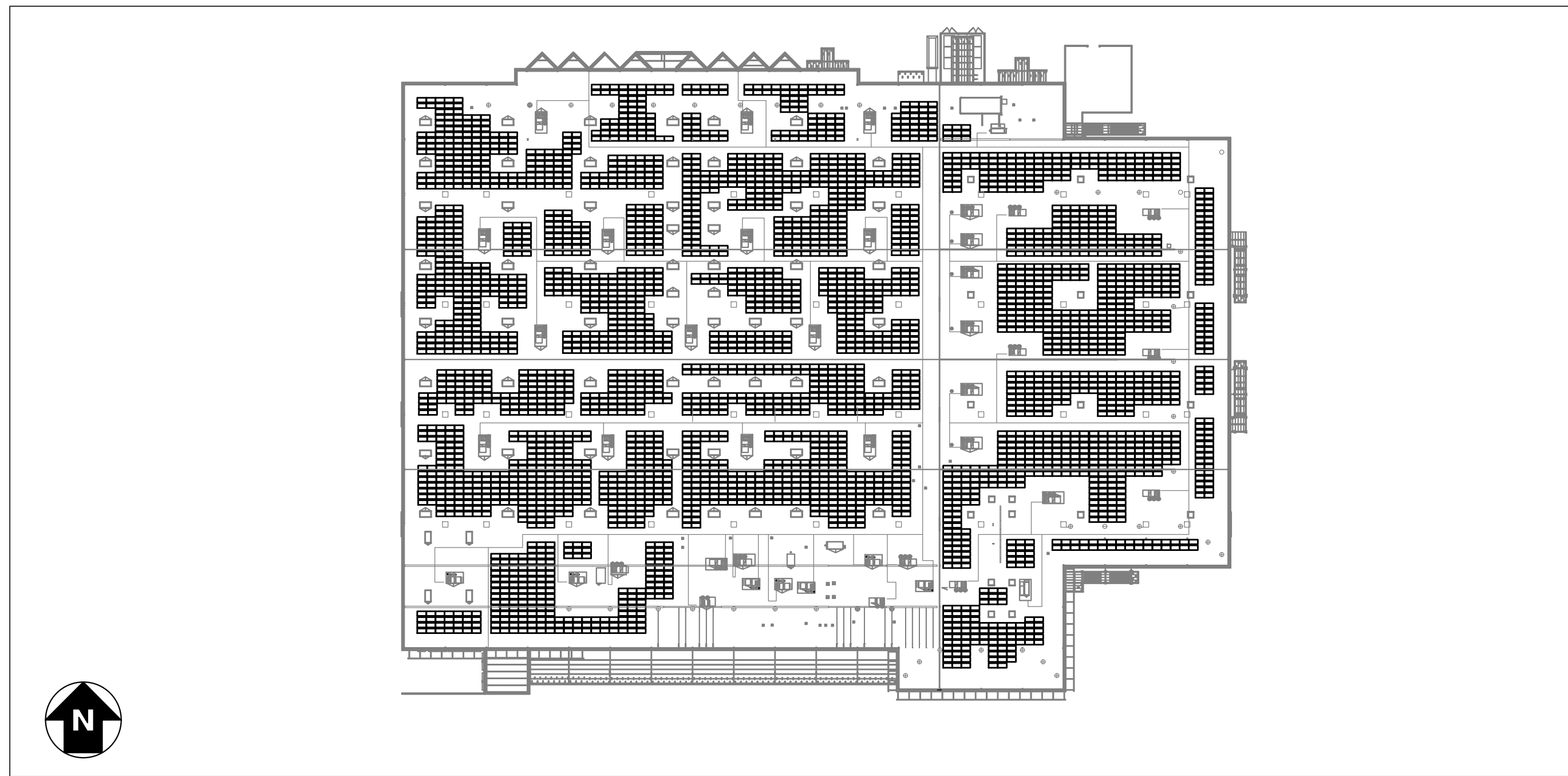
Question 1: In section I.1 the nameplate capacity is listed as 1,210 kW. But in section G.1 you state the facility has 3,546 340W panels. Since $3,546 \times 340W = 1,205.64 \text{ kW}$. Is the nameplate capacity 1,205.64 MW?

Answer 1: I must not have been looking at the final as-built plans for this system. The 3,546 number of modules is correct, but the modules were upgraded to a 350W model. The total system size is $3,546 \text{ modules} \times 350 \text{ watts} = 1,241 \text{ KW}$. I have attached the array layout drawing and the module spec sheet below.

1,241.10 KW SOLAR ROOFTOP SYSTEM AT IKEA — COLUMBUS INTERSTATE 71 & GEMINI PLACE, COLUMBUS, OH 43240



LOCATION MAP
SCALE: 1"=2000'-0"



SYSTEM PLAN
SCALE: 1"=80'-0"

TOTAL SYSTEM SUMMARY:

TOTAL DC SYSTEM SIZE:	1,241.10 kWDC
AC SYSTEM SIZE:	900.00 kWAC
MODULE MANUFACTURER:	SUNMODULE
MODULE MODEL:	SW350-XL MONO 350W
MODULES PER STRING:	18
MODULE QUANTITY:	3,546
STRING QUANTITY:	197
MODULE TILT:	5°
MODULE AZIMUTH:	180°
INVERTER MANUFACTURER:	SOLECTRIA RENEWABLES
INVERTER MODEL:	PVI-36TL
INVERTER QUANTITY:	25

SUBSYSTEM SUMMARIES:

SYSTEM A	SYSTEM B
TOTAL DC SIZE:	598.5 kWDC
AC SYSTEM SIZE:	432.0 kWAC
MODULE QUANTITY:	1,710
STRING QUANTITY:	95
TOTAL DC SIZE:	642.6 kWDC
AC SYSTEM SIZE:	468.0 kWAC
MODULE QUANTITY:	1,836
STRING QUANTITY:	102

SCOPE OF WORK SUMMARY

ROOFTOP PV ARRAY:
INSTALL SOLAR MODULES AND ROOFTOP BALLASTED RACKING SYSTEM ON TOP OF EXISTING 1 STORY BUILDING. INSTALL INVERTERS AND ELECTRICAL DISTRIBUTION EQUIPMENT TO INTERCONNECT AT EXISTING MAIN ELECTRICAL DISTRIBUTION EQUIPMENT.

HOST:



420 ALAN WOOD ROAD
CONSHOHOCKEN, PA 19428

DEVELOPER:



3450 BROAD STREET
SAN LUIS OBISPO, CA 93401

ENGINEERED BY:



50 HARRISON ST, SUITE 210
HOBOKEN, NEW JERSEY, 07030

DRAWING INDEX

GENERAL	INTERCONNECTION DOCUMENTS	DESIGN DEVELOPMENT	ISSUE FOR PERMIT	ISSUE FOR PERMIT REV1	ISSUE FOR PERMIT REV2	ISSUE FOR PERMIT REV3
G001 TITLE SHEET	●	●	●	●	●	●
G100 SITE PLAN	●	●	●	●	●	●
G200 OVERALL ARRAY PLAN	●	●	●	●	●	●
G201 PARTIAL ARRAY PLAN	●	●	●	●	●	●
G202 PARTIAL ARRAY PLAN	●	●	●	●	●	●
ELECTRICAL						
E001 ELECTRICAL NOTES AND SYMBOL LIST	●	●	●	●	●	●
E100 OVERALL ELECTRICAL PLAN	●	●	●	●	●	●
E110 INVERTER PLAN & ELECTRICAL ELEVATION	●	●	●	●	●	●
E111 ELECTRICAL ROOM & EXTERIOR PLAN	●	●	●	●	●	●
E201 STRING WIRING PLAN	●	●	●	●	●	●
E202 STRING WIRING PLAN	●	●	●	●	●	●
E300 ONE LINE DIAGRAM — MSA SYSTEM	●	●	●	●	●	●
E301 ONE LINE DIAGRAM — MSB SYSTEM	●	●	●	●	●	●
E310 SCHEDULES & CALCULATIONS — MSA	●	●	●	●	●	●
E311 SCHEDULES & CALCULATIONS — MSB	●	●	●	●	●	●
E401 GROUNDING DETAILS	●	●	●	●	●	●
E402 ELECTRICAL DETAILS	●	●	●	●	●	●
E500 LABELS & SIGNAGE	●	●	●	●	●	●
E501 LABELS & SIGNAGE — ELECTRICAL YARD	●	●	●	●	●	●
E600 EQUIPMENT DATA SHEETS	●	●	●	●	●	●
E700 MONITORING DETAILS	●	●	●	●	●	●

LEGEND:	
UPDATED DRAWING ISSUED	●
UNCHANGED, PREVIOUSLY ISSUED DRAWING STILL CURRENT	○
DRAWING REMOVED FROM SET	x

DRAWING
TITLE
TITLE SHEET

PROJECT
1,241.10 KW SOLAR ROOFTOP SYSTEM AT
IKEA — COLUMBUS
INTERSTATE 71 & GEMINI PLACE
COLUMBUS, OHIO 43240

DC SYSTEM SIZE: 1,241.10 kW
AC SYSTEM SIZE: 900.00 kW
MODULE: SUNMODULE SW350-XL MONO
MODULE QUANTITY: 3,546
STRING QUANTITY: 197
OBSERVATION: 5° TILT, 180° AZIMUTH

01 OF 21
DRAWING #
G001

DEVELOPER
REC SOLAR
3450 BROAD STREET
SAN LUIS OBISPO, CA 93401
WWW.RECSOLAR.COM

ENGINEER
PUREPOWER
ENGINEERING
50 HARRISON ST, SUITE 210
HOBOKEN, NJ 07030
WWW.PUREPOWER.COM

DATE
08/26/2016
08/17/2016
08/11/2016
08/10/2016

REVISION DESCRIPTION
ISSUE FOR PERMIT
ISSUE FOR PERMIT REV1
ISSUE FOR PERMIT REV2
ISSUE FOR PERMIT

ENG CHK
CT SRM
CT SRM
CT SRM
CT SRM

Sunmodule[®] SW 340-350 XL MONO



TUV Power controlled:
Lowest measuring tolerance in industry



Every component is tested to meet
3 times IEC requirements



Designed to withstand heavy
accumulations of snow and ice



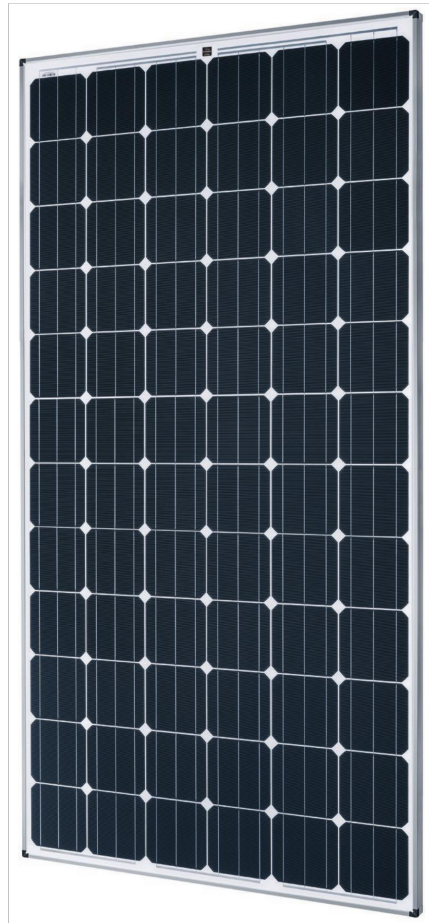
Sunmodule
Positive performance tolerance



25-year linear performance warranty
and 10-year product warranty



Glass with anti-reflective coating



World-class quality

Fully-automated production lines and seamless monitoring of the process and material ensure the quality that the company sets as its benchmark for its sites worldwide.

SolarWorld Plus Sorting

Plus-Sorting guarantees highest system efficiency. SolarWorld only delivers modules that have greater than or equal to the nameplate rated power.

25-year linear performance guarantee and extension of product warranty to 10 years
SolarWorld guarantees a maximum performance digression of 0.7% p.a. in the course of 25 years, a significant added value compared to the two-phase warranties common in the industry, along with our industry-first 10-year product warranty.*

*In accordance with the applicable SolarWorld Limited Warranty at purchase.
www.solarworld.com/warranty

solarworld.com

Sunmodule[®] SW 340-350 XL MONO



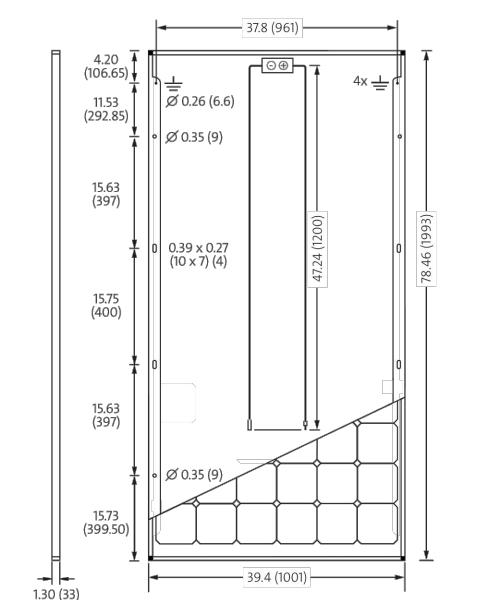
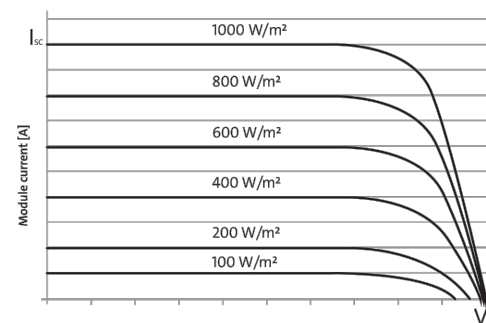
PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

	SW 340	SW 345	SW 350
Maximum power	340 Wp	345 Wp	350 Wp
Open circuit voltage	47.6 V	47.8 V	48.0 V
Maximum power point voltage	38.0 V	38.2 V	38.4 V
Short circuit current	9.69 A	9.75 A	9.82 A
Maximum power point current	9.01 A	9.04 A	9.07 A
Module efficiency	17.04 %	17.29 %	17.54 %

PERFORMANCE AT 800 W/m², NOCT, AM 1.5

	SW 340	SW 345	SW 350
Maximum power	259.3 Wp	263.8 Wp	267.2 Wp
Open circuit voltage	41.5 V	41.8 V	42.0 V
Maximum power point voltage	34.9 V	35.2 V	35.4 V
Short circuit current	8.05 A	8.10 A	8.16 A
Maximum power point current	7.42 A	7.50 A	7.56 A

Minor reduction in efficiency under partial load conditions at 25° C, at 200 W/m², 100% of the STC efficiency (1000 W/m²) is achieved.



All units provided are imperial. Units provided in parentheses.
SolarWorld AG reserves the right to make specification changes without notice.

COMPONENT MATERIALS

Cells per module	72	Front	Low-iron tempered glass with ARC (EN 12003)
Cell type	Monocrystalline	Frame	Clear anodized aluminum
Cell dimensions	6.17 in x 6.17 in (156.75 x 156.75 mm)	Weight	47.6 lbs (21.6 kg)

THERMAL CHARACTERISTICS

NOCT	46 °C	Power sorting	< 0 Wp/±5 Wp
TC _{sc}	0.042 % / °C	J-Box	IP65
TC _{V_m}	-0.304 % / °C	PV wire per UL4703	PV wire per UL4703 with 14/2 UL7 connectors
TC _{P_{mp}}	-0.43 % / °C	Connector	UL 1703 Type 1
Operating temp	-40 to +85 °C	Module fire performance	(UL 1703) Type 1

PARAMETERS FOR OPTIMAL SYSTEM INTEGRATION

Maximum system voltage SC II / NEC	1000 V
Maximum reverse current	25 A
Number of bypass diodes	3

Design load* Two rail system 113 pcf downward, 64 pcf upward
Edge mounting 178 pcf downward, 23 pcf upward
*Please refer to the Sunmodule installation instructions for the details associated with these load cases.

- Compatible with both "Top-Down" and "Bottom" mounting methods
- Grounding locations: → 4 locations along the length of the module in the extended flange.



SW-017540US-1 160324

Polar Bear III 5 Degree Flat Roof Mounting System

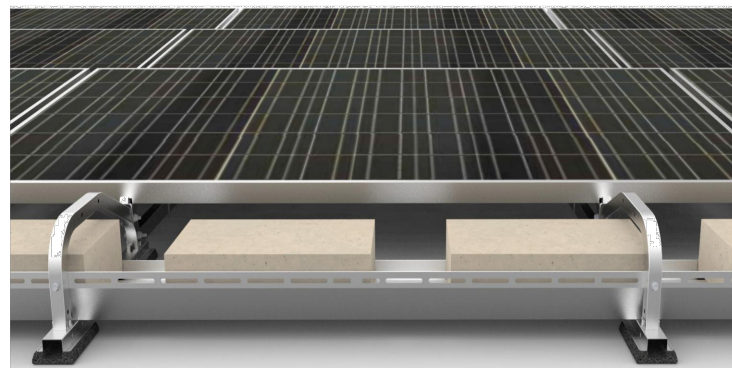
BEST GROUND COVERAGE RATIO



Maximize Power Density

The spacing between rows of modules is a critical design decision when it comes to system production. Polar Bear[®] III offers multiple row-spacing options to optimize designs and maximize power density. The new Five Degree system inherits roof protection and accelerated construction features from the existing Polar Bear III platform and provides the best ground coverage ratio on the market.

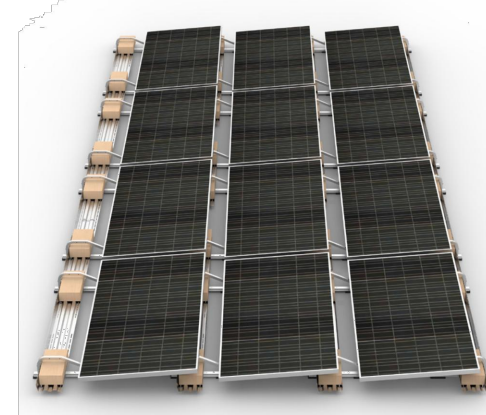
Drawing on experience from 500 MW of installed solar PV on commercial rooftops, PanelClaw continues to drive down total installed cost.



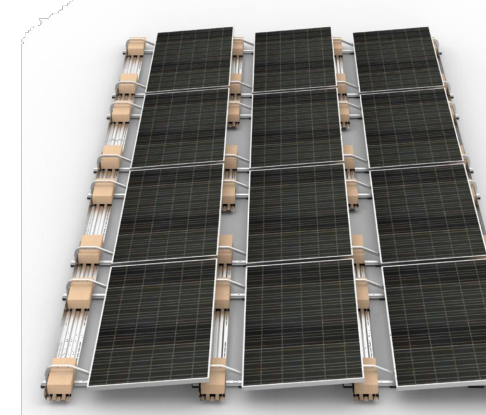
panelclaw.com

Polar Bear III 5 Degree Flat Roof Mounting System

BEST GROUND COVERAGE RATIO



2:1
Shade Ratio



3:1
Shade Ratio

Best Power Density

Polar Bear[®] III offers the best ground coverage ratio on the market. The tight-row spacing option allows for maximum roof capacity while the single module tilt up and walkway path facilitate system maintenance.

Most Trusted on the Roof

The engineered design emphasizes built-in features to provide long-term roof protection:

- Mechanically secured rubber roof pads
- Fully captured ballast blocks
- Thermal compensation
- System allows free water flow

Timesaving Project Accessories

Speed up total project completion with accessories for wire management, micro-inverter and solar optimizer attachment and shim pads to accommodate uneven areas of the roof.

(978) 688.4900 | sales@panelclaw.com

Made in USA
© 2015 PanelClaw, Inc.



Applications

Flat roof (max slope 5°)
Fully ballasted or mechanically attached

Module Tilt Angle

5° nominal

Module Orientation

Landscape

Module Attachment

Standard module mounting holes

Basic Wind Speed

Up to 150 mph
(>150 mph by approval)

Wind Exposure Category

B and C (D by approval)

Seismic Compatibility

C, D, E and F

Row Spacing

6.8" (2:1), 10.2" (3:1)

Material Options

G90 steel and aluminum

Warranty, Testing and Certifications

25 year warranty

UL 2703 certification

Boundary layer wind tunnel testing

Third-party engineering review

System Fire Rating Class A with Type 1 and Type 2 modules



PVI 14TL PVI 20TL PVI 23TL PVI 28TL PVI 36TL



3-PH TRANSFORMERLESS STRING INVERTERS

FEATURES

- 600 or 1000 VDC
- Best in class efficiency
- Touch-safe fuses
- Dual & wide MPP tracking zones
- Modbus communications
- Integrated DC fused string combiner
- DC arc-fault protection
- PVI 36TL - HECO and Rule 21 compliant

3-PH TRANSFORMERLESS STRING INVERTERS

Yaskawa - Solectria Solar's PVI 14TL, PVI 20TL, PVI 23TL, PVI 28TL, and PVI 36TL are compact, transformerless three-phase inverters with a dual MPP tracker. These inverters come standard with AC and DC disconnects, user-interactive LCD, and an 8-position string combiner. Its small, lightweight design makes for quick and easy installation and maintenance. These inverters include an enhanced DSP control, comprehensive protection functions, and advanced thermal design enabling highest reliability and uptime. They also come with a standard 10 year warranty with options for 15 and 20 years. Options include web-based monitoring, shade cover, DC/AC disconnect covers, Roof mount array brackets, and DC combiners bypass.



SOLECTRIA.COM

SPECIFICATIONS	PVI 14TL	PVI 20TL	PVI 23TL	PVI 28TL	PVI 36TL
DC Input					
Absolute Maximum Open Circuit Voltage	600 VDC	600 VDC	600 VDC	1000 VDC	1000 VDC
Operating Voltage Range	180-580 VDC	260-580 VDC	300-900 VDC	300-900 VDC	200-950 VDC
Max Power Input Voltage Range (MPPT)	300-540 VDC	300-550 VDC	480-800 VDC	500-800 VDC	540-800 VDC
MPP Trackers	2	2	2	2	2
Maximum Operating Input Current	25 A per MPPT (50 A)	35 A per MPPT (50 A)	45 A per MPPT (50 A)	45 A per MPPT (50 A)	35 A per MPPT (50 A)
Maximum Available PV Current (Isc x 1.25)	45 A per MPPT (90 A)	45.5 A per MPPT (91 A)	41 A per MPPT (82 A)	48 A per MPPT (96 A)	35 A per MPPT (70 A)
Maximum PV Power (per MPPT)	9.5 kW	13.5 kW	15.5 kW	19 kW	27 kW
Strike Voltage	300 V	300 V	300 V	300 V	300 V
AC Output					
Nominal Output Voltage	208 VAC, 3-Ph	208 VAC, 3-Ph	208 VAC, 3-Ph	480 VAC, 3-Ph	480 VAC, 3-Ph
AC Voltage Range (Standard)	120V/208V/240V	120V/208V/240V	120V/208V/240V	120V/208V/240V	120V/208V/240V
Continuous Output Power	14 kW	20 kW	23 kW	28 kW	36 kW
Maximum Output Current	39 A	25.5 A	27.7 A	33.7 A	43.5 A
Maximum Backfeed Current	6 A	6 A	6 A	6 A	6 A
Nominal Output Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Output Frequency Range	59.3-60.5 Hz (adjustable 55-65 Hz)	59.3-60.5 Hz (adjustable 55-65 Hz)	59.3-60.5 Hz (adjustable 55-65 Hz)	59.3-60.5 Hz (adjustable 55-65 Hz)	59.3-60.5 Hz (adjustable 55-65 Hz)
Power Factor	Unity, 10.99 (60.8 adjustable)	Unity, 10.99 (60.8 adjustable)	Unity, 10.99 (60.8 adjustable)	Unity, 10.99 (60.8 adjustable)	Unity, 10.99 (60.8 adjustable)
Fault Current Contribution (1 Cycle RMS)	70.4 A	43.3 A	43.3 A	69.6 A	73.2 A
Total Harmonic Distortion (THD) @ Rated Load	7.0 %	7.0 %	7.0 %	7.0 %	7.0 %
Grid Connection Type	3-Phase, 4-Wire (4-Wire)	3-Phase, 4-Wire (4-Wire)	3-Phase, 4-Wire (4-Wire)	3-Phase, 4-Wire (4-Wire)	3-Phase, 4-Wire (4-Wire)
Efficiency					
Peak Efficiency	96.9%	97.4%	97.4%	98.6%	98.4%
CEC Efficiency	96.0%	97.0%	97.0%	98.0%	98.0%
Tare Loss	4 W	4 W	4 W	2 W	2 W
Integrated String Combiner					
8 Fused Positions (4 positions per MPPT)	15 A (fuse by-pass available)	15 A (fuse by-pass available)	15 A (fuse by-pass available)	15 A (fuse by-pass available)	15 A (fuse by-pass available)
Temperature					
Ambient Temperature Range	-13°F to +140°F (-25°C to +60°C) Derating occurs over +50°C	-13°F to +140°F (-25°C to +60°C) Derating occurs over +50°C	-13°F to +140°F (-25°C to +60°C) Derating occurs over +50°C	-13°F to +140°F (-25°C to +60°C) Derating occurs over +50°C	-13°F to +140°F (-25°C to +60°C) Derating occurs over +50°C
Storage Temperature Range	-22°F to +158°F (-30°C to +70°C)	-22°F to +158°F (-30°C to +70°C)	-22°F to +158°F (-30°C to +70°C)	-22°F to +158°F (-30°C to +70°C)	-22°F to +158°F (-30°C to +70°C)
Relative Humidity (non-condensing)	0-95%	0-95%	0-95%	0-95%	0-95%
Operating Altitude	13,123 ft/4,000 m (derating from 6,562 ft/2,000 m)	13,123 ft/4,000 m (derating from 6,562 ft/2,000 m)	13,123 ft/4,000 m (derating from 6,562 ft/2,000 m)	13,123 ft/4,000 m (derating from 6,562 ft/2,000 m)	13,123 ft/4,000 m (derating from 6,562 ft/2,000 m)
Data Monitoring					
Optional SolerView Web-based Monitoring	Integrated	Integrated	Integrated	Integrated	Integrated
Optional Revenue Grade Monitoring	External	External	External	External	External
External Communication Interface	RS-485 Modbus RTU	RS-485 Modbus RTU	RS-485 Modbus RTU	RS-485 Modbus RTU	RS-485 Modbus RTU
Testing & Certifications					
Safety Listings & Certifications	UL 1741/IEEE 1547, CSA C22.810.17, FCC part 15 B	UL 1741/IEEE 1547, CSA C22.810.17, FCC part 15 B	UL 1741/IEEE 1547, CSA C22.810.17, FCC part 15 B	UL 1741/IEEE 1547, CSA C22.810.17, FCC part 15 B	UL 1741/IEEE 1547, CSA C22.810.17, FCC part 15 B
Testing Agency	ETL	ETL	ETL	CSA	CSA
Warranty					
Standard	10 year	10 year	10 year	10 year	10 year
Optional	15, 20 year; extended service agreement	15, 20 year; extended service agreement	15, 20 year; extended service agreement	15, 20 year; extended service agreement	15, 20 year; extended service agreement
Enclosure					
dBA (Decibel) Rating	< 50 dBA @ 3 m	< 50 dBA @ 3 m	< 50 dBA @ 3 m	< 50 dBA @ 3 m	< 50 dBA @ 3 m
AC/DC Disconnect	Standard, fully-integrated	Standard, fully-integrated	Standard, fully-integrated	Standard, fully-integrated	Standard, fully-integrated
Dimensions (H x W x D)	43.6 in. x 21.4 in. x 8.5 in. (1093 mm x 544 mm x 216 mm)	43.6 in. x 21.4 in. x 8.5 in. (1093 mm x 544 mm x 216 mm)	43.6 in. x 21.4 in. x 8.5 in. (1093 mm x 544 mm x 216 mm)	43.6 in. x 21.4 in. x 8.5 in. (1093 mm x 544 mm x 216 mm)	43.6 in. x 21.4 in. x 8.5 in. (1093 mm x 544 mm x 216 mm)
Weight	141 lbs (64 kg)	137 lbs (60 kg)	137 lbs (60 kg)	104 lbs (47.2 kg)	121 lbs (55 kg)
Enclosure Rating	Type 4	Type 4	Type 4	Type 4	Type 4
Enclosure Finish	Polyester powder coated aluminum	Polyester powder coated aluminum	Polyester powder coated aluminum	Polyester powder coated aluminum	Polyester powder coated aluminum



www.solectria.com | inverters@solectria.com | 978.683.9700



Industry leading lineup of DAS hardware designed to meet your unique system needs.



Intertek

Typical Project Size
Small to medium commercial
Large commercial
Utility scale

Base Station Features
5 year warranty
System factory configured and tested
Certifications
Hardware designed for harsh environments
Power supply

Onboard data storage
Memory Size (MB)
Duration (Days)
Battery backup
Battery size (Ahr)
Run time based on Std. System Configuration (Hours)
First storage interval (Higher resolution available for PV 5000)
Q&A keypad
System designed for installation by everyday electricians
Remote firmware updates & upgrades
Flexiable site configuration and hardware architecture
Base station self diagnostic and remote firmware upgrade capability
Background system calibration for accurate measurements over time and temperature changes
Configurable to meet CAISO weather station requirements

Networking Support
Cellular (3G, 4G, LTE) communications or support for both at the same time
Cellular modem (3G, 4G, LTE) standard equipment
Ability to use cellular modem as site gateway
Wireless LAN communication - 802.11 (Requires additional hardware)
Modbus RTU Master, Number of devices per base station
Modbus TCP/IP Master, Number of devices per base station
Ethernet Switch
Number of ports
Fiber optic ports available
Media converter, Maximum number supported
SCADA Compatibility via Modbus Modbus RTU slave
SCADA Compatibility via Modbus TCP/IP slave
DNP3 slave

Compatible Instrumentation and Intelligent Electronic Devices
Intelligent Electronic Devices
Revenue grade meters
Central and String Inverters
DC String and Sub-Array monitoring devices
Ground fault detection

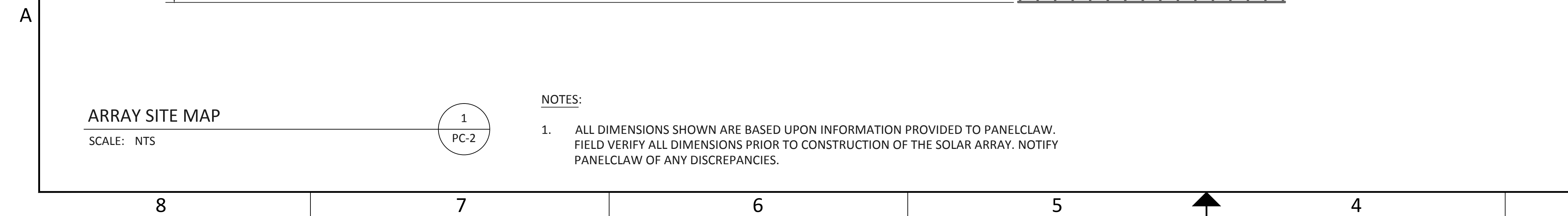
Performance Instrumentation
Non-Solar resource sensor options include 2nd, 1st, and Secondary standard ISO 9850 classifications available
Pyranometer - plane of array irradiance (POA) sensor
Back of module temperature (BOM) sensor

Meteorological Instrumentation
Pyranometer - horizontal irradiance (H02)
Ambient temperature
Anemometer
All-in-one weather station
Wind vane
Precipitation
Relative humidity
Barometric pressure

Field Support and Technical Services
Online Software and Hardware training
In person training available at additional cost
Custom design documentation (One-line drawings, Network Maps, etc.)
Engineering design support
On-site installation support and commissioning services
Commissioning report

SPECS

		
PV 250	PV 2000	PV 5000
ETL certified to UL 4703-1 & CSA C22.240.10-1 standards	ETL certified to UL 4703-1 & CSA C22.240.10-1 standards	ETL certified to UL 4703-1 & CSA C22.240.10-1 standards
120-240 Volts 1 phase 480 Volts 3 Phase (Optional)	120-240 Volts 1 phase 480 Volts 3 Phase (Optional)	120-240 Volts 1 phase 480 Volts 3 Phase (Optional)
4	4, Up to 2000	516, Up to 2000
60	60	120
7	12	33
48	48	72
15 min Optional	15 min 15 (Optional)	15 min 15 (Optional)
IC) or IL) or IC+L) Optional	IC) or IL) or IC+L) Optional	IC) or IL) or IC+L) Optional
Optional	Optional	Optional
32 Std. Up to 64 Standard, 128 Optional	32 Std. Up to 64 Standard, 128 Optional	64 Std. Up to 768 Standard, 192 Optional
Optional, 5	Optional, 5	Optional, 10
Optional (Optional)	Optional (Optional)	Optional (Optional)
Optional (Optional)	Optional (Optional)	Optional (Optional)
1	2	3
1	1	1
1	1	1
1	1	1
1	1	1
1	1	1
Standard	Standard	Standard
Standard	Standard	Standard
Optional	Optional	Optional
Optional	Optional	Optional



PROJECT PART QUANTITY		
ITEM	PART NUMBER	QTY
SOUTH SUPPORT	5000412	1140
ASSY, SUPPORT, SOUTH, G90, POLAR BEAR III HD		
STANDARD SUPPORT	5000301	7092
ASSY, SUPPORT, G90, POLAR BEAR III HD, 5 DEG		
LONG BALLAST TRAY	200054103	1014
BALLAST TRAY, 80L, G90ST, PB3 SD		
SHORT BALLAST TRAY	200054101	3742
BALLAST TRAY, 52L, G90ST, PB3 SD		
CLAW	200049301	7092
CLAW, 100Z, G90, POLAR BEAR III HD		
HARDWARE - CLAW	500015802	149
HEX, FLG, SERR, 1/4-20 X 1.75L & 5/16-18 X 0.5L, 304SS (100 / EACH BOLT & NUT TYPE)		
BOLT KIT - BALLAST TRAY	5000159	248
HEX, FLG, SERR, 1/4-20 X 0.5L, 304SS (100 BOLTS)		
ATTACHMENT HARDWARE KIT	5000208	1
HARDWARE KIT, MECH ATTCB, PB3 (HARDWARE FOR 10 ATTACHMENTS PER KIT)		
MECHANICAL ATTACHMENT	100035908	10
MECH ATTCH, U-ANCH 2400, JM/COOLEY TPO		
ATTACHMENT BRACKET	200055103	10
BRACKET, MECH ATTCB, 80°L, PB3 SD		
CONCRETE MASONRY UNIT	N/A	6496
BLOCK, CONCRETE, 32 LB.6 - Xln X 8ln X xln NOMINAL, PARTNER SUPPLIED		

ARRAY # (TYP)



PC-2

A

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

2/9/2018 3:09:22 PM

in

Case No(s). 18-0107-EL-REN

Summary: Reply Reply to staff inquiries electronically filed by Mr. Christopher Moore on behalf of IKEA PROPERTY OWNER