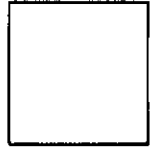


B

Type



Plans

BLD15-4147

Permit Number

181

Street Number

TORZELLI LN

Street Name

BEL

Community Code

125-660-013

APN

COUNTY OF SONOMA - PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

2550 Ventura Avenue, Santa Rosa, CA 95403 (707) 565-1900 FAX (707) 565-1103

Please Print Your Name: Catarina Correia Date Applied: 8-18-15

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

Torzelli SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: 181 Torzelli Ln City: Santa Rosa ZIP: 95407

Cross-Street: Dutton Ave APN: 125-640-013 Project Phone #: (707) 545-5710 Project Fax #: ()

Directions: _____ Email address: _____ Unit #: _____ Lot #: _____

Describe Project: SFD roof mounted PV system size 3.825 kW Living Area: _____ Contract Price: 18,725

Garage: _____ Decks: _____

OWNER NAME AND ADDRESS Name: Timothy Williams Mailing Address: 181 Torzelli Ln City: Santa Rosa State: CA ZIP: 95407 Day Ph: 707 575-1116 Fax: ()

APPLICANT NAME AND ADDRESS Name: Catarina Correia Mailing Address: 335 chair ct City: Santa Rosa State: CA ZIP: 95407 Day Ph: 707 545-5710 Fax: ()

CONTRACTOR INFORMATION Company Name: Vivint Solar Address: 4931 N 300 W City: Provo State: UT ZIP: 84604 Day Ph: 707 545-5710 Fax: ()

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.) Name: _____ Address: _____ City: _____ State: _____ ZIP: _____ Day Ph: () Fax: ()

WORKER'S COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

I have and will maintain worker's compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My worker's compensation insurance carrier and policy number are:

Carrier: American Zurich
Policy No.: WC 509CO 1306

(This section need not be completed if the permit is for one hundred dollars (\$100) or less.)

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Exp. Date: 11/1/15 Applicant: Vivint Solar

WARNING: FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING DECLARATION

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued. (Sec. 3097, Civ. C.)

Lenders Name: _____

Lenders Address: _____

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500).):

I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)

I am exempt under Sec. _____, B & P.C. for this reason _____

By my signature below I acknowledge that, except for my personal residence in which I must have resided for at least one year prior to completion of the improvements covered by this permit, I cannot legally sell a structure that I have built as an owner-builder if it has not been constructed in its entirety by licensed contractors. I understand that a copy of the applicable law, Section 7044 of the Business and Professions Code, is available upon request when this application is submitted or at the following website: <http://www.leginfo.ca.gov/calaw.html>.

Date: _____ Signature of Property Owner or Authorized Agent: _____

FOR DEPARTMENT USE

Zoning _____ File No. _____ Acres _____

Existing Use/Structures _____

Proposed Use/Structures _____

Zoning Min. Yard Requirements: Front _____ Left _____ Right _____ Back _____

NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. Mitigation Required Address subject to change

Approval for Permit Issuance: _____ Approval for Occupancy: _____

By: _____ Date: _____

Conditions: _____

LICENSED CONTRACTOR'S DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Lic. Class: CTC Lic. No.: 973756

Exp. Date: 6/30/16 Contractor: Vivint Solar

Sewer Connection: Available Fees Paid

Approved by: _____ Date: _____

Road Encroachment: Fees Paid

Approved by: _____ Date: _____

Septic System Permit/Clearance #

Approved by: _____ Date: _____

Flood Zone: Yes No 100 Year Flood Elevation: _____

Site Review

Drainage Review: Approved by: _____ Date: _____

Fire: Approved by: _____ Date: _____

Code Enforcement Violation Yes No Violation # _____

This permit is limited to _____ days.

ASBESTOS DECLARATION

Written asbestos notification pursuant to Part 61 of Title 40 of the Code of Federal Regulations is required when asbestos exists in buildings, or portions thereof, undergoing demolition. I hereby declare that demolition authorized by this permit is from construction that does does not contain asbestos, or that no demolition is authorized by this permit.

Work Authorized

roof mounted PV system

<input checked="" type="checkbox"/> Plans Approved	<input type="checkbox"/> Post FIRM	<input type="checkbox"/> Alquist Priolo Report Available
<input type="checkbox"/> No Plans Subject to Field Inspection	<input type="checkbox"/> Pre FIRM	<input type="checkbox"/> Geotechnical report Available
Plancheck Cleared By: _____ Date: _____	Type of Construction: <u>V6 R3</u>	Occupancy: _____ No. of Stories: _____ No. of Bedrooms: _____
Permit Cleared for Issuance By: _____ Date: _____	Auto. Fire Sprinklers Req'd: _____	No. of Units: _____ Certificate of Occupancy: _____

Machine Space for Permit Fee

I certify that I have read this application and affirm under penalty of perjury that the above information is correct. I agree to comply with all local Ordinances and State laws relating to building construction. I hereby authorize representatives of the County of Sonoma to enter upon the above-mentioned property for inspection purposes. If, after making the Certificate of Exemption for the Worker's Compensation provision of the Labor Code I should become subject to such provisions, I will forthwith comply. In the event I do not comply with the Worker's Compensation law, this permit shall be deemed revoked.

PERMIT FEE SIGNATURE: _____ ADDRESS: 335 chair ct SR 95407 CITY: _____ ZIP: _____

Contractor Owner Other Licensed Professional

PAYMENT REC'D

\$ _____

AUG 18 2015

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

Distribution: White - File Canary - Applicant Blue - Assessor Cardstock - Inspector

JOB ADDRESS: 181 Torzelli Ln BSL

PERMIT NUMBER: BD15-4147

INSPECTION AREA: 3

THIS PERMIT SHALL EXPIRE IN THREE (3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT

131) SPECIAL INSPECTION REQUIRED		<input type="checkbox"/> YES	<input type="checkbox"/> NO	IF YES, SEE ADDITIONAL SHEET	
INSPECTION RECORD	DATE	NAME	REMARKS		
101) ROUGH GRADING					
103) FOUNDATION					
FORMS/SETBACK					
FOOTING					
WALLS					
106) UFER GROUND #					
104) CAISSONS/PIERS					
105) SLAB					
107) UNDERGROUND UTILITIES					
110) MASONRY					
109) RETAINING WALLS					
113) FIREPLACE					
FOOTING					
HEARTH/PROTECTION					
THROAT					
114) CHIMNEY					
120) UNDERFLOOR/UNDERSLAB					
115) HYDRONICS					
116) U/F ELECTRICAL					
117) U/F MECHANICAL					
118) U/F PLUMBING					
119) U/F FRAMING					
139) U/F INSULATION					
126) SHEAR WALLS					
<input type="checkbox"/> INTERIOR	<input type="checkbox"/> EXTERIOR				
127) DIAPHRAGMS					
<input type="checkbox"/> ROOF	<input type="checkbox"/> FLOOR				
134) SIDING/SHEATHING					
125) HOLD DOWNS					
132) CLOSE-IN					
122) ROUGH ELECTRICAL					
123) ROUGH MECHANICAL					
124) ROUGH PLUMBING					
128) ROUGH FRAME					
160) SMOKE DETECTORS					
139) INSULATION					
142) WALLBOARD					
143) FIREWALLS					
135) STUCCO/PLASTER					
<input type="checkbox"/> LATH	<input type="checkbox"/> SCRATCH				
137) ROOFING					
130) TUB/SHOWER PAN					
162) FIRE DAMPERS/DOORS					
164) SUSPENDED CEILING					
<input type="checkbox"/> ROUGH ELEC.	<input type="checkbox"/> ROUGH MECH.				
165) EXITING - RAMPS/STAIRS					
163) HANDRAILS/GUARDRAILS					
CORRIDORS/DOORS					
166) ACCESSIBILITY COMPLIANCE			650) SUSMP INSPECTION		
144) WATER TANKS			651) NPDES EROSION COMPLIANCE		
<input type="checkbox"/> SLAB	<input type="checkbox"/> WALLS		652) NPDES SEDIMENT COMPLIANCE		
170) TEMPORARY OCCUPANCY			653) NPDES DOCS/SWPPP		
171) TEMPORARY ELECTRICAL			FIRE INSPECTION REQUIRED	DATE	NAME
172) TEMPORARY GAS			<input type="checkbox"/> Yes <input type="checkbox"/> No		
174) ELECTRIC METER AUTHORIZATION			759) KNOX BOX		
152) PANEL BOARDS/SERVICE			760) PROPANE TANK HOLD DOWNS		
189) SEPTIC ELECTRIC FINAL			770) SPRINKLER FINAL		
175) GAS METER AUTHORIZATION			771) ABOVEGROUND HYDROSTATIC		
153) GAS PRESSURE TEST			772) UNDERGROUND HYDROSTATIC		
HOUSE	YARD		773) UNDERGROUND FLUSH		
190) MANUF. HOME FOUNDATION			774) THRUST BLOCKS		
191) MANUF. HOME INSTALLATION			775) PIPE WELD		
CONTINUITY			776) HYDRANTS/APPLIANCES		
STAIRS/SKIRTS			777) PUMP ACCEPTANCE		
RIDGE BOLTING			778) WATER SUPPLY/TANK		
193) MANUF. HOME COND. FINAL			779) ALARM SYSTEM		
SWIMMING POOLS			780) HOOD & DUCT SYSTEM		
194) PRE-GUNITE			781) ABOVEGROUND TANK/DISPENSER		
195) PRE-DECK			198) FIRE FINAL		
196) PRE-PLASTER/FENCE			CLEARANCES:		
197) VINYL/FIBERGLASS POOL EXCAVATION			FIRE <input type="checkbox"/> Local <input type="checkbox"/> County		
102) GRADING FINAL			HEALTH DEPARTMENT		
176) ELECTRICAL FINAL	9-10-15	JMB	ZONING		
177) MECHANICAL FINAL			SANITATION		
178) PLUMBING FINAL					
199) FINAL	9-10-15	JMB			
OCCUPANCY (OK TO OCCUPY)				PLAN RETENTION REQUIRED?	
				<input type="checkbox"/> Yes <input type="checkbox"/> No	

PERMIT # BLD-5-4147

Smoke/CO Alarm Self Verification Form

CNI-037

Building Permit # BLD15-4147

Dear Property Owner:

The California Residential Code (CRC) requires carbon monoxide alarms in dwellings as well as smoke alarms (Sections R314 and R315 respectively) when building permits are issued and the scope of work exceeds a total cost or calculated valuation of \$1,000. In order to grant a final approval on your permit, it is necessary to verify the installation of these alarms within your dwelling. This form provides the property owner the ability to self verify to PRMD when work done does not allow convenient access to the interior of the dwelling (eg: re-roof or other exterior work)

By signing this document, the property owner certifies to PRMD that both smoke alarms and CO alarms have been installed on the above referenced project as specified below:

Smoke alarms are installed in accordance with the approved manufacturer's instructions in all of the following areas:

- Each sleeping unit
- In hallways of areas giving access to the sleeping units
- On each floor, if a multi-story
- In the basement, if a basement exists

Carbon Monoxide alarms are installed in accordance with the approved manufacturer's instructions in all of the following areas:

- Outside each sleeping unit
- On every floor level of dwelling unit, including basements, outside each sleeping unit.
- Within sleeping units where a fossil fuel burning appliance is installed (includes fireplaces)

Please fill in the requested information at the bottom of the form and return the form by mail to the Sonoma County Permit and Resource Management Department, Building & Safety Division, 2550 Ventura Avenue, Santa Rosa, CA 95403. Alternatively, this form may be submitted to the building inspector at the time the final inspection is performed.

Timothy Williams
Property Owner's Name

[Signature]
Signature

9-10-15
Date

181 Torpelle Lane
Project Address

Santa Rosa CA 95407

JAY BRADFORD
Inspector

2550 Ventura Avenue

Sonoma County Permit and Resource Management Department
Santa Rosa, CA 95403-2829

(707) 565-1900

Fax (707) 565-1103

Water Conserving Plumbing Fixture Self Verification Form

CNI-038

Building Permit # BLD15-4147

As of January 1, 2014, California State Law (Section 1101.4 Civil Code) requires as a condition of final approval for all building alterations or improvements to single-family residences, the permit applicant replace all non-compliant plumbing fixtures with water-conserving plumbing fixtures. All single-family dwellings lawfully constructed after January 1, 1994, are considered to have compliant plumbing fixtures. For the purposes of this regulation, a non-compliant plumbing fixture means:

1. Any toilet that uses more than 1.6 gallons per flush
2. Any urinal that uses more than 1 gallon per flush
3. Any shower head with a flow capacity of more than 2.5 gallons per minute
4. Any interior faucet that emits more than 2.2 gallons per minute

In order to grant final approval on your permit, it is necessary to verify the replacement of non-compliant plumbing fixtures with compliant fixtures. This form provides the property owner the ability to self-verify compliant fixtures when work for which the permit is issued does not allow convenient access to the interior of the dwelling (e.g., re-roof, electrical service upgrade or other exterior work).

By signing this document, the property owner certifies to PRMD that all non-compliant plumbing fixtures within the single-family dwelling have been replaced with compliant water-conserving plumbing fixtures.

Please fill in the requested information at the bottom of the form and return the form by mail to:
Sonoma County Permit and Resource Management Department,
Building & Safety Division, 2550 Ventura Avenue, Santa Rosa, CA 95403.
Alternatively, this form may be submitted to the building inspector at the time of inspection.

Timothy Williams [Signature] 9-10-15
Property Owner's Name Signature Date

181 Torgelle Ln Santa Rosa CA 95407
Project Address

JAY BRADFORD
Inspector

Sonoma County Permit and Resource Management Department
2550 Ventura Avenue, Santa Rosa, CA 95403-2829 (707) 565-1900 Fax (707) 565-1972

**NEW PV SOLAR SYSTEM FOR
Williams Residence LOCATED AT
181 Torzelli Ln Santa Rosa, CA 95407**

2 STORY STRUCTURE
EXISTING SINGLE FAMILY DWELLING
class A Fire Sheets

★ **APPROVED** ★
--AS NOTED--

PERMIT NO. **6005-4147**

APPROVED BY *[Signature]*
8/18/15

**PERMIT AND RESOURCE MANAGEMENT
DEPARTMENT**

APPROVED JOB COPY OF PLANS AND JOB CARDS TO BE ON JOB SITE.

FILE COPY
6005-4147

BUILDING PLAN CHECK
★ **APPROVED** ★

PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT
AUG 18 2015
[Signature]

- INDEX OF DRAWINGS
- PV 1.0 SITE PLAN
- PV 2.0 ROOF PLAN
- PV 3.0 FRAMING DETAIL
- PV 4.0 MOUNTING DETAIL
- E 1.0 1-LINE

BUILDER SHALL NOT REPLICATE FROM THE APPROVED PLANS. REVISIONS SHALL BE INDICATED IN WRITING. MANAGEMENT AND FIELD INSPECTION WITHOUT PROOF OF APPROVAL SHALL BE SUBJECT TO REJECTION OF THE JOB.

APPROVAL OF THESE PLANS IS SUBJECT TO, AND DOES NOT ALTER OR DIMINISH THE REQUIREMENTS, SPECIAL REQUIREMENTS, AND FIELD INSPECTION.

GOVERNING CODES

ALL WORK SHALL COMPLY WITH THE CODES SECTIONS OF THE CODES LISTED BELOW.

PV SOLAR SYSTEM SPECIFICATIONS

2013 CA RESIDENTIAL CODE	SYSTEM SIZE	3.83 KW
2013 CA MECHANICAL CODE	MODULE TYPE AND AMOUNT	(15) Yingli Energy YL255P-29b
2013 CA ELECTRICAL CODE	MODULE DIMENSIONS	(L/W/H) 64.96in (1650mm)/ 38.98in (990mm)/ 1.57in (40mm) Weight 43.4lbs (19.7kg)
2013 CA GREEN CODE	INVERTER	ENPHASE M215-60-2LL-S2xx MICRO_INVERTERS
2013 CA PLUMBING CODE		
2013 CA ENERGY CODE		

Williams RESIDENCE
 181 Torzelli Ln
 Santa Rosa , CA 95407

INSTALLER INFORMATION:
 VIVINT SOLAR
 3301 N THANKSGIVING WAY STE 500, LEHI, UT 84043
 1-877-404-4129
 CA LICENSE: 973756 (C46)

INSTALLER'S SIGNATURE _____ DATE _____

By signing, I certify the information I have provided is correct and agree to comply with all applicable city or county ordinances and state laws and that the project identified above will be installed in accordance with the requirements set forth in the 2013 California Code of Regulations, Title 24, and local code amendments.

**WORKSHEET INFORMATION - ROOF DESIGN
 PV SYSTEM COMPONENTS**

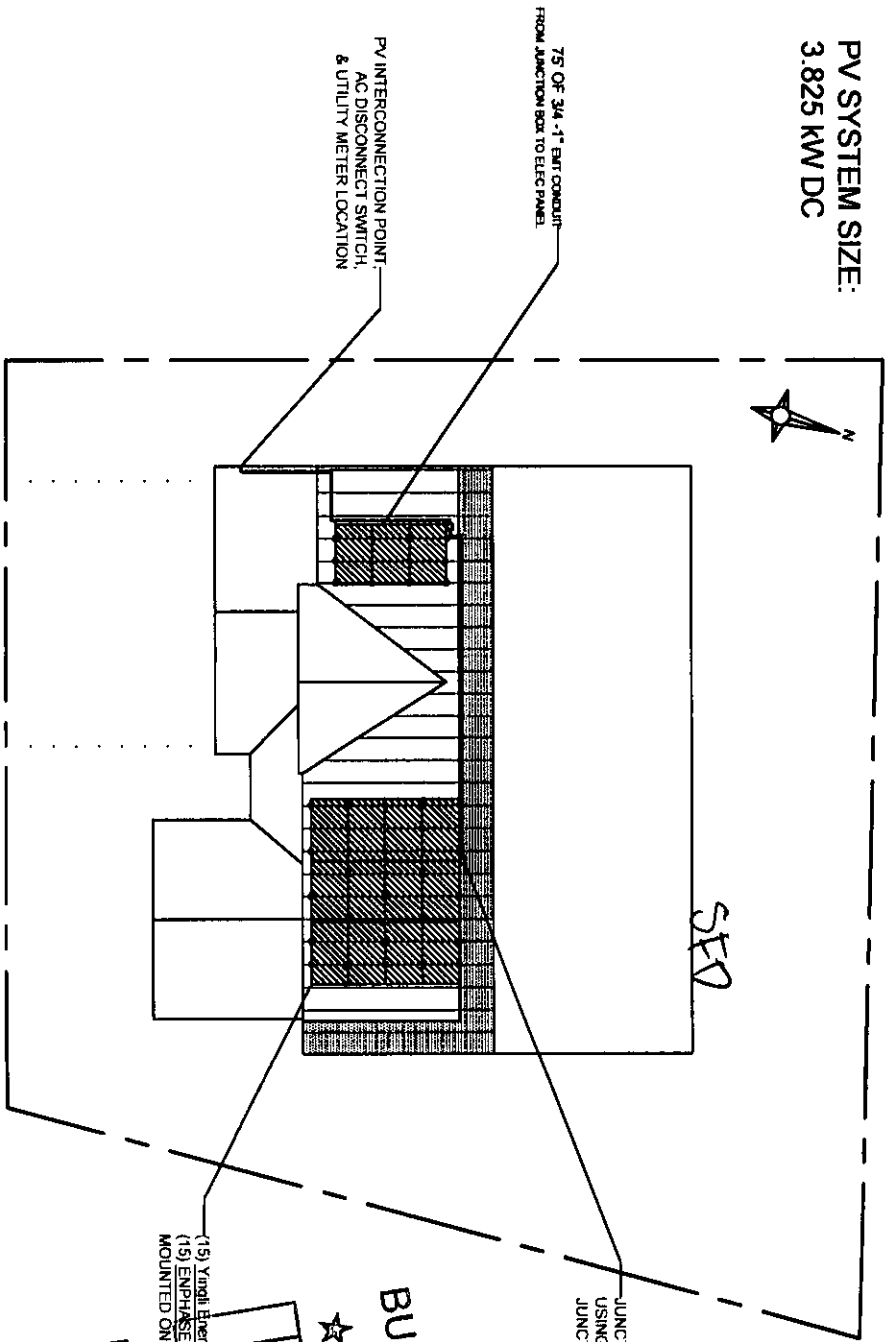
APPROXIMATE AGE OF ROOF: 10 YEARS ROOFING TYPE: COMP
 RAFTER SIZE: 2x4 RAFTER SPACING: 24
 WORST CASE RAFTER SPAN SUPPORTING ARRAY: ---- ARRAY WEIGHT(DEAD LOAD): 2.514 lb/ft²
 RAFTERS THAT ARE OVER-SPANNED OR IF THE ARRAY IS OVER 5 LBS. PER SF, DESIGN BY A LICENSED PROFESSIONAL MAY BE REQUIRED.

PV MODULE RATINGS	INVERTER RATING
MANUFAC/MODEL Yingli Energy YL255P-29b MAX POWER-POINT CURRENT (IMP) 8.49 A MAX POWER POINT VOLTAGE (VMP) 30 V OPEN-CIRCUIT VOLTAGE (VOC) 37.7 V SHORT-CIRCUIT CURRENT (ISC) 9.01 A MAX SERIES FUSE (OCPD) 15 A MAXIMUM POWER (P _{MAX}) 255 W MAX VOLTAGE 1000(IEC)/600(UL) VOC TEMP COEFF. -0.32	INVERTER MANUFACTURER: ENPHASE INVERTER MODEL: M215-60-2LL-2xx MAX DC VOLT RATING: 48 V MAX POWER @ 40° C: 215 W NORMAL AC VOLTAGE: 240 V MAX AC CURRENT: 0.9 A MAX OCPD RATING: 15 A
MODULE CONFIGURATION CIRCUIT 1 MODULES IN PARALLEL CIRCUIT 2 MODULES IN PARALLEL CIRCUIT 3 MODULES IN PARALLEL CIRCUIT 4 MODULES IN PARALLEL CIRCUIT 5 MODULES IN PARALLEL CIRCUIT 6 MODULES IN PARALLEL CIRCUIT 7 MODULES IN PARALLEL	SIGN FOR DC DISCONNECT PHOTOVOLTAIC POWER SOURCE RATED MPP CURRENT: 0.9 A RATED MPP VOLTAGE: 350 V MAX SYSTEM VOLTAGE: 48 V MAX CIRCUIT CURRENT: 15 A
	SIGN FOR INVERTER OCPD AND AC DISCONNECT (IF USED) AC OUTPUT CURRENT: 0.9 A NOMINAL AC VOLTAGE: 240 V

PERMIT AND RESOURCE
 MANAGEMENT DEPARTMENT
 AUG 18 2015
 BUSINESS PLAN CHECK
 APPROVED

-3' OFFSET FOR ROOF ACCESS

PV SYSTEM SIZE:
3.825 kW DC



JUNCTION BOX ATTACHED TO ARRAY
USING MS1 HARDWARE TO KEEP
JUNCTION BOX OFF ROOF

BUILDING PLAN CHECK
★ APPROVED ★
AUG 18 2015
PERMIT SOURCE
MANAGEMENT DEPARTMENT

181 Torzelli Ln, Santa Rosa CA 95407

PV SYSTEM SITE PLAN
Scale: 1/16" = 1'-0"

PV 1.0	SHEET NUMBER:	SITE PLAN	INSTALLER: VIVINT SOLAR	vivint. solar	Williams Residence
			INSTALLER NUMBER: 1877.404.4129		
			CA LICENSE: 873758 (C48)		Santa Rosa, CA 95407
			DRAWN BY: James Anderton	S# 4535203	UTILITY ACCOUNT NUMBER: 0087707814-1
					Last Modified: 8/12/2015

YGE 60 CELL SERIES

YL260P-29b
YL255P-29b
YL250P-29b
YL245P-29b
YL240P-29b



QUALITY MEETS VERSATILITY IN OUR FLAGSHIP PANEL

Our most popular product line, the YGE 60 Cell Series, is ideal for a broad range of applications. It is proven to perform in tens of thousands of projects across the Americas, from residential and commercial rooftops to ground-mounted solar farms.

16.0%
MAXIMUM EFFICIENCY

25 YEAR
LINEAR POWER WARRANTY

0-3%
POWER TOLERANCE



Trusted Partner

Yingli is one of the world's largest solar panel manufacturers with over 13 GW deployed worldwide. Major financial institutions and energy companies trust Yingli Solar panels' high quality and superior performance in hundreds of thousands of projects across the globe.



More Energy per Watt

Yingli panels deliver superior power output in a variety of temperature and irradiance conditions, and anti-reflective coated glass reduces soiling to help maximize power output. Performance is backed by our 25-year linear warranty.



Designed to Outlast

Tested to the industry's most rigorous durability standards, Yingli panels are PID-resistant in conformance with IEC 62804. To ensure reliable performance, Yingli uses quality components such as DuPont™ Tedlar® PVF film-based backsheets.



Best-In-Class Technical Support

Yingli's highly trained, locally-based engineering team evaluates project-specific technical requests and works closely with balance-of-systems vendors to reduce system costs. In the Americas, we offer value-added after-sales services such as in-house testing, commissioning, and field-testing support.

Warranty Information

Ten-year limited product warranty. Industry leading 25-year performance warranty adds value by guaranteeing power output on an annual basis, in compliance with our warranty terms and conditions.

Performance Modeling

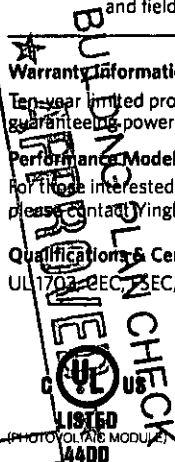
For those interested in obtaining performance modeling files for system energy yield simulation, please contact Yingli at simulation@yingliamericas.com.

Qualifications & Certificates

UL1703, IEC 61215, IEC 61730, ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007, SA8000

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

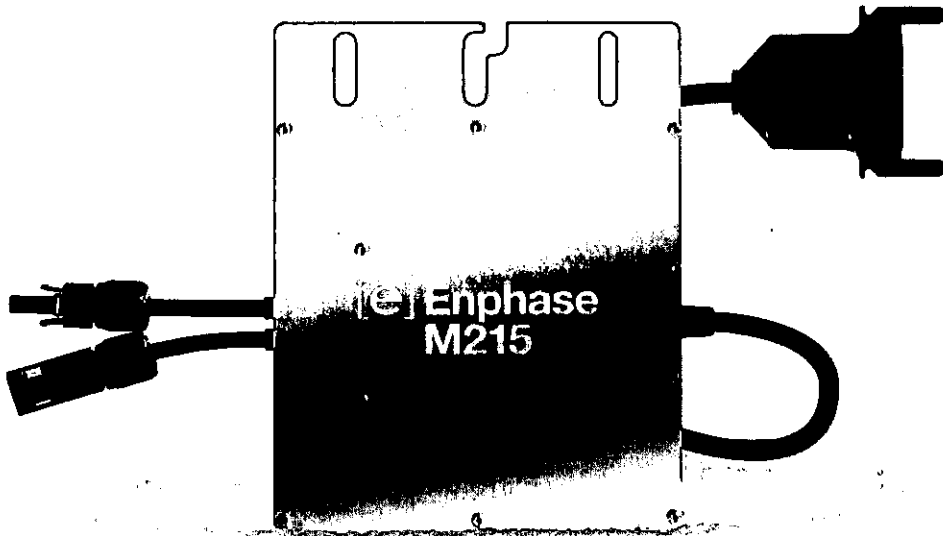
AUG 18 2015



YINGLISOLAR.COM



Enphase® M215

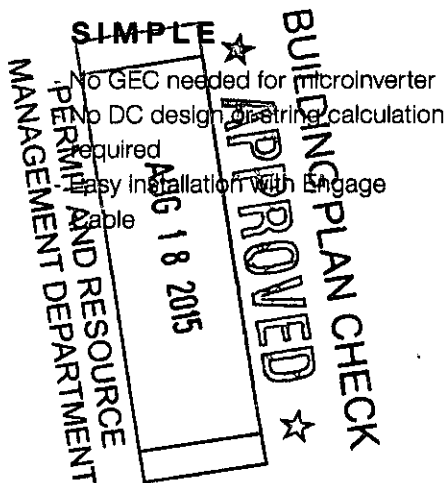


The Enphase® M215 Microinverter with integrated ground delivers increased energy harvest and reduces design and installation complexity with its all-AC approach. With the advanced M215, the DC circuit is isolated and insulated from ground, so **no Ground Electrode Conductor (GEC) is required for the microinverter**. This further simplifies installation, enhances safety, and saves on labor and materials costs.

The Enphase M215 integrates seamlessly with the Engage® Cable, the Envoy® Communications Gateway™, and Enlighten®, Enphase's monitoring and analysis software.

PRODUCTIVE

- Maximizes energy production
- Minimizes impact of shading, dust, and debris
- No single point of system failure



RELIABLE

- More than 1 million hours of testing and millions of units shipped
- Industry-leading warranty, up to 25 years