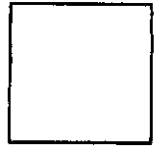


B

Type



Plans

BLD10-0623

Permit Number

3160

Street Number

Hicks Rd

Street Name

GRA

Community Code

130-146-032

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: <b>WARREN BROWN</b>	Date Applied:
---	---------------

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY			
Site Address: <b>3160 Hills Road</b>	City: <b>SEBASTOPOL</b>	ZIP: <b>95472</b>	
Cross-Street: <b>GRATON ROAD</b>	APN: <b>130-146-032</b>	Project #:	Lot #:
Directions:	Subd. Name:	Unit #:	Contract Price: <b>\$10,000.00</b>
Describe Project: <b>GROUND MOUNT PHOTOVOLTAIC</b>		Living Area:	Garage/Decks:
OWNER NAME AND ADDRESS		APPLICANT NAME AND ADDRESS	
Name: <b>FRANK MATHEW</b>		Name: <b>WARREN BROWN</b>	
Mailing Address: <b>3160 Hills Road</b>		Mailing Address: <b>PO Box 492</b>	
City: <b>SEB</b>	State: <b>CA</b>	City: <b>GRATON</b>	State: <b>CA</b>
Day Ph: <b>(707) 824-9381</b>	Fax: ( )	Day Ph: <b>707 48</b>	Fax: ( )
CONTRACTOR INFORMATION		OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)	
Company Name: <b>ONE SUN INC</b>		Name:	
Address: <b>P.O. # 532</b>		Address:	
City: <b>GRATON</b>	State: <b>CA</b>	City:	State:
Day Ph: <b>(707) 824-2079</b>	Fax: <b>(707) 634 1423</b>	Day Ph: ( )	Fax: ( )
WORKER'S COMPENSATION DECLARATION		CONSTRUCTION LENDING DECLARATION	
I hereby affirm under penalty of perjury one of the following declarations: <input type="checkbox"/> 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. <input checked="" type="checkbox"/> 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: <b>NATIONAL UNION FIRE INS. Co</b> Policy No: <b>4778170</b> (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: <b>1-1-11</b> Applicant: <b>Warren Brown</b>		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		FOR DEPARTMENT USE	
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).): <input type="checkbox"/> 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.) <input checked="" type="checkbox"/> 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.) <input type="checkbox"/> I am exempt under Sec. _____, B & P.C. for this reason _____ Date _____ Owner _____		Zoning: <b>RR B6</b> Acres: <b>4.33</b> Existing Use/Structures: <b>3.5 DLE Garage</b> Proposed Use/Structures: <b>Solar Panels</b> Zoning Min. Yard Requirements: Front <b>20'</b> Left <b>5'</b> Right <b>5'</b> Back <b>20'</b> NOTE: Fire Safe Standards require all parcels greater than 1 Acre to have a min. 30' setback unless mitigated. <input type="checkbox"/> Mitigation Required <input type="checkbox"/> Address subject to change Approved for Permit Issuance: <b>HF</b> Approved for Occupancy: <b>WJB Good</b> Date: <b>2-24-10</b>	
LICENSED CONTRACTOR'S DECLARATION		Sewer Connection: <input type="checkbox"/> Available <input type="checkbox"/> Fees Paid	
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: <b>B-C10</b> Lic. No.: <b>940535</b> Exp. Date: <b>12-31-11</b> Contractor: <b>Warren Brown</b>		Approved by: _____ Date: _____	
ASBESTOS DECLARATION		Road Encroachment: <input type="checkbox"/> Fees Paid	
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 ( <input type="checkbox"/> does ) ( <input type="checkbox"/> does not ) contain asbestos, or that <input checked="" type="checkbox"/> demolition is authorized by this permit. 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 Workman's Compensation law, this permit shall be deemed revoked. Signature: <b>Warren Brown</b> PERMITTEE SIGNATURE: <b>PO 532 - GRATON CA 95444</b> ADDRESS: _____ CITY: _____ ZIP: _____ <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Owner <input type="checkbox"/> Other Licensed Professional		Septic System Permit Clearance # _____ Approved by: _____ Date: <b>2/24/10</b> Flood Zone: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 100 Year Flood Elevation: _____ Site Review: _____ Drainage Review: _____ Approved by: _____ Date: _____ Fire: _____ Approved by: _____ Date: _____ Code Enforcement Violation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Violation # _____ This permit is limited to _____ days.	
PERMITTEE SIGNATURE		Work Authorized:	
Signature: <b>Warren Brown</b> ADDRESS: _____ CITY: _____ ZIP: _____ <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Owner <input type="checkbox"/> Other Licensed Professional		<b>ground mount PV system</b>	
FINAL DATE AND INSPECTOR		MACHINE SPACE FOR PERMIT FEES	
Final Date:	Inspector:	Plans Approved <input checked="" type="checkbox"/> No Plans Subject to Field Inspection <input type="checkbox"/> <input checked="" type="checkbox"/> Post FIRM <input type="checkbox"/> Alquist Priolo Report Available <input type="checkbox"/> <input checked="" type="checkbox"/> Pre FIRM <input type="checkbox"/> Geotechnical report Available <input type="checkbox"/> Machine Cleared By: <b>Regina</b> Date: <b>2/24/10</b> Type of Construction: <b>VB</b> Occupancy: <b>3</b> No. of Stories: _____ No. of Bedrooms: _____ Auto. Fire Sprinklers Req'd: _____ No. of Units: _____ Certificate of Occupancy: _____	
THIS PERMIT SHALL EXPIRE IN THREE(3) YEARS FROM DATE FEES ARE PAID UNLESS OTHERWISE NOTED BY CODE ENFORCEMENT		PAYMENT REC'D \$ _____ FEB 24 2010 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT COUNTY OF SONOMA	

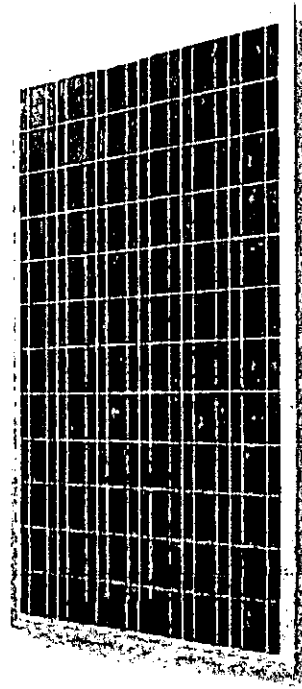
JOB ADDRESS: 3160 Hills Rd. Graton CA  
 PERMIT NUMBER: B1010-06023  
 INSPECTION AREA: 4

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	3/1/10 DP			
105) SLAB				
107) UNDERGROUND UTILITIES	3/1/10 DP			
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				
144) WATER TANKS				
<input type="checkbox"/> SLAB		<input type="checkbox"/> WALLS		
170) TEMPORARY OCCUPANCY				
171) TEMPORARY ELECTRICAL				
172) TEMPORARY GAS				
174) ELECTRIC METER AUTHORIZATION				
152) PANEL BOARDS/SERVICE				
189) SEPTIC ELECTRIC FINAL				
175) GAS METER AUTHORIZATION				
153) GAS PRESSURE TEST				
HOUSE		YARD		
190) MANUF. HOME FOUNDATION				
191) MANUF. HOME INSTALLATION				
CONTINUITY				
STAIRS/SKIRTS				
RIDGE BOLTING				
193) MANUF. HOME COND. FINAL				
SWIMMING POOLS				
194) PRE-GUNITE				
195) PRE-DECK				
196) PRE-PLASTER/FENCE				
197) VINYL/FIBERGLASS POOL EXCAVATION				
102) GRADING FINAL				
176) ELECTRICAL FINAL	3/9/10 DP			
177) MECHANICAL FINAL				
178) PLUMBING FINAL				
199) FINAL	3/9/10 DP			
OCCUPANCY (OK TO OCCUPY)				
650) SUSMP INSPECTION				
651) NPDES EROSION COMPLIANCE				
652) NPDES SEDIMENT COMPLIANCE				
653) NPDES DOCS/SWPPP				
FIRE INSPECTION REQUIRED	DATE	NAME		
<input type="checkbox"/> Yes <input type="checkbox"/> No				
759) KNOX BOX				
760) PROPANE TANK HOLD DOWNS				
770) SPRINKLER FINAL				
771) ABOVEGROUND HYDROSTATIC				
772) UNDERGROUND HYDROSTATIC				
773) UNDERGROUND FLUSH				
774) THRUST BLOCKS				
775) PIPE WELD				
776) HYDRANTS/APPLIANCES				
777) PUMP ACCEPTANCE				
778) WATER SUPPLY/TANK				
779) ALARM SYSTEM				
780) HOOD & DUCT SYSTEM				
781) ABOVEGROUND TANK/DISPENSER				
198) FIRE FINAL				
CLEARANCES:				
FIRE	<input type="checkbox"/> Local	<input type="checkbox"/> County		
HEALTH DEPARTMENT				
ZONING				
SANITATION				
PLAN RETENTION REQUIRED?				
<input type="checkbox"/> Yes <input type="checkbox"/> No				

PERMIT #

# ET MODULE

- ET-P672280 280Wp
- ET-P672275 275Wp
- ET-P672270 270Wp
- ET-P672265 265Wp
- ET-P672260 260Wp
- ET-P672255 255Wp
- ET-P672250 250Wp
- ET-P672245 245Wp
- ET-P672240 240Wp



IEC 61215 Ed.2  
IEC 61730  
UL 1703



## SPECIFICATIONS

Model type	ET-P672280	ET-P672275	ET-P672270	ET-P672265	ET-P672260	ET-P672255	ET-P672250	ET-P672245	ET-P672240
Peak power (Pmax)	280W	275W	270W	265W	260W	255W	250W	245W	240W
Cell type	PolyCrystalline Silicon, 156mm x 156mm								
Number of cells	72 cells in series								
Weight	23.0 kg (50.7 lbs)								
Dimensions	1956×992×50 mm (77×39.1×1.97 Inch)								
Maximum power voltage (Vmp)	36.72V	36.72V	36.40V	36.40V	36.00V	35.20V	35.20V	34.95V	34.95V
Maximum power current (Imp)	7.63A	7.49A	7.42A	7.28A	7.23A	7.23A	7.12A	7.01A	6.88A
Open circuit voltage (Voc)	43.78V	43.78V	43.63V	43.63V	43.49V	43.88V	43.88V	43.85V	43.85V
Short circuit current (Isc)	7.98A	7.96A	7.90A	7.90A	7.79A	7.85A	7.81A	7.70A	7.63A
Maximum system voltage	DC 600V								
Temp. Coeff. of Isc (TK Isc)	0.065 %/°C								
Temp. Coeff. of Voc (TK Voc)	-0.346 %/°C								
Temp. Coeff. of Pmax (TK Pmax)	-0.46 %/°C								
Normal Operating Cell Temperature	45.3±2°C								

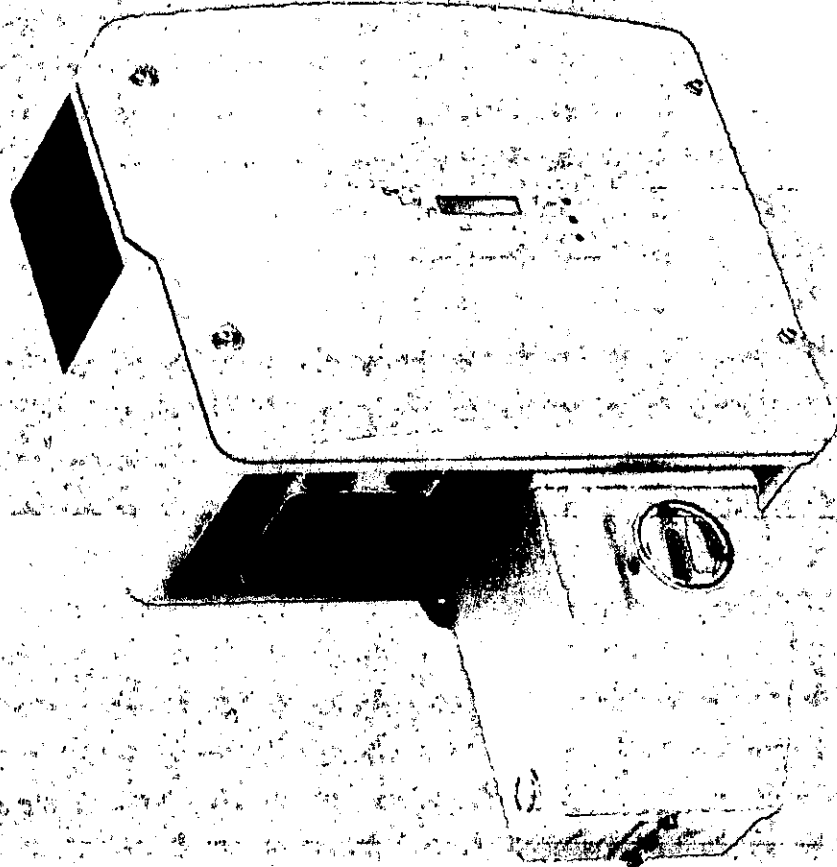
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C.

Please contact support@etsolar.com for technical support.

SB 3000US / SB 4000US



- > Certified to the new UL1741/IEEE 1547
- > 10 yr. standard warranty
- > Improved CEC efficiency
- > Integrated load-break rated DC disconnect switch
- > Integrated fused series string combiner
- > Sealed electronics enclosure & Opticool
- > Comprehensive SMA communications and data collection options
- > Ideal for residential or light commercial applications
- > Rugged cast aluminum outdoor rated enclosure



## Sunny Boy 3000 / 4000

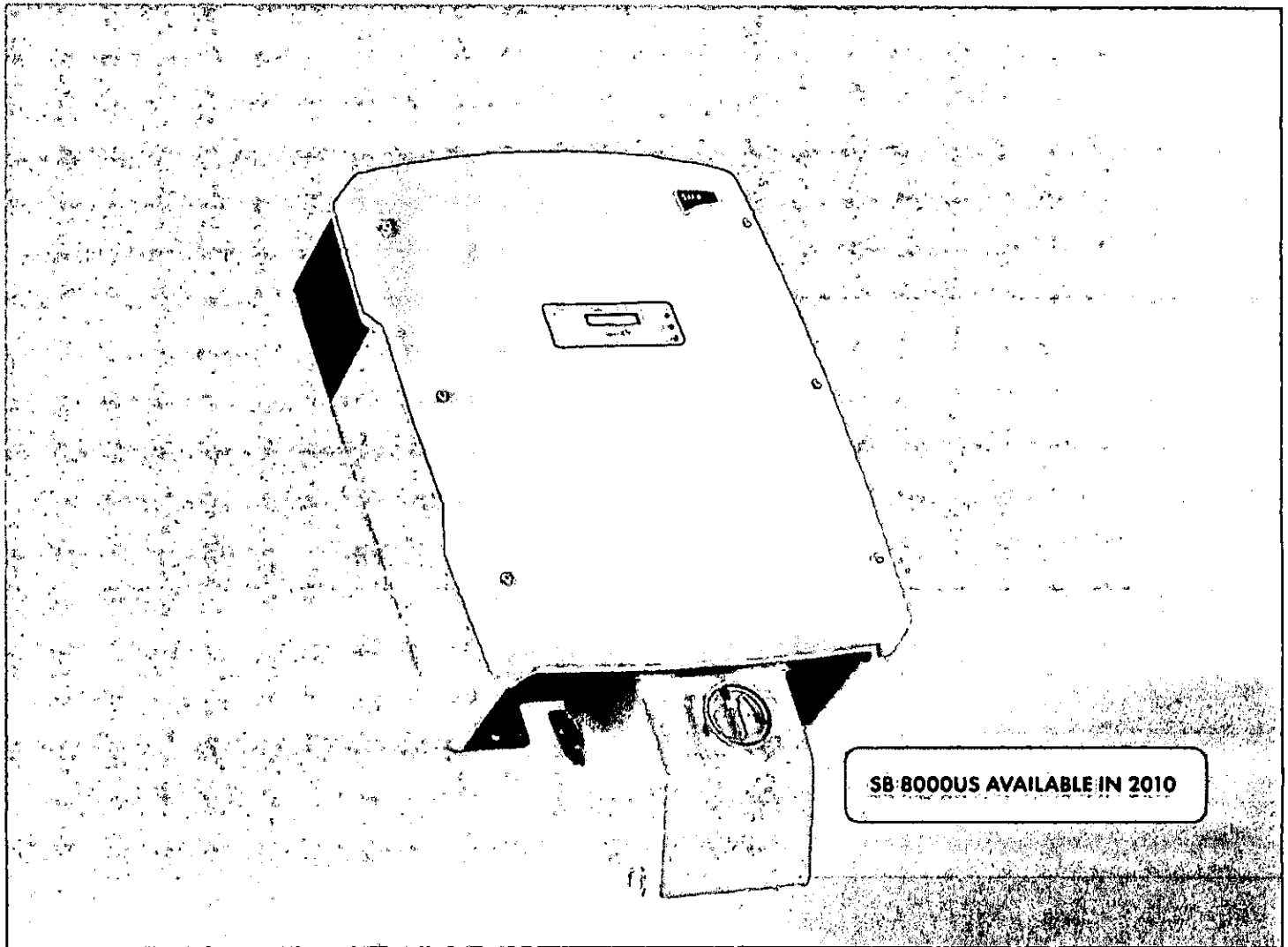
The best in their class

SMA is proud to introduce our new line of inverters updated with our latest technology and designed specifically to meet the new IEEE 1547 requirements. Compact design makes them ideal for residential use and the integrated DC disconnect makes installation more cost effective. They are field-configurable for positive ground systems making them more versatile than ever. Increased efficiency means better performance and shorter payback periods. With over 500,000 fielded units, Sunny Boy has become the benchmark for PV inverter performance and reliability throughout the world.





## SUNNY BOY 5000US / 6000US / 7000US / 8000US



SB 8000US AVAILABLE IN 2010

- Highest CEC efficiency in its class
- Integrated load-break rated lockable DC disconnect switch
- Integrated fused series string combiner
- Sealed electronics enclosure & Opticool™
- Comprehensive SMA communications and data collection options
- Ideal for residential or commercial applications
- Sunny Tower compatible
- 10 year standard warranty
- UL 1741/IEEE-1547 compliant



## SUNNY BOY 5000US / 6000US / 7000US / 8000US

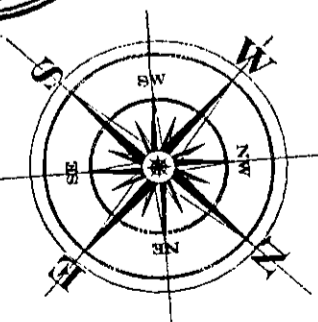
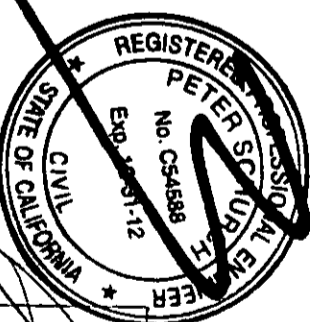
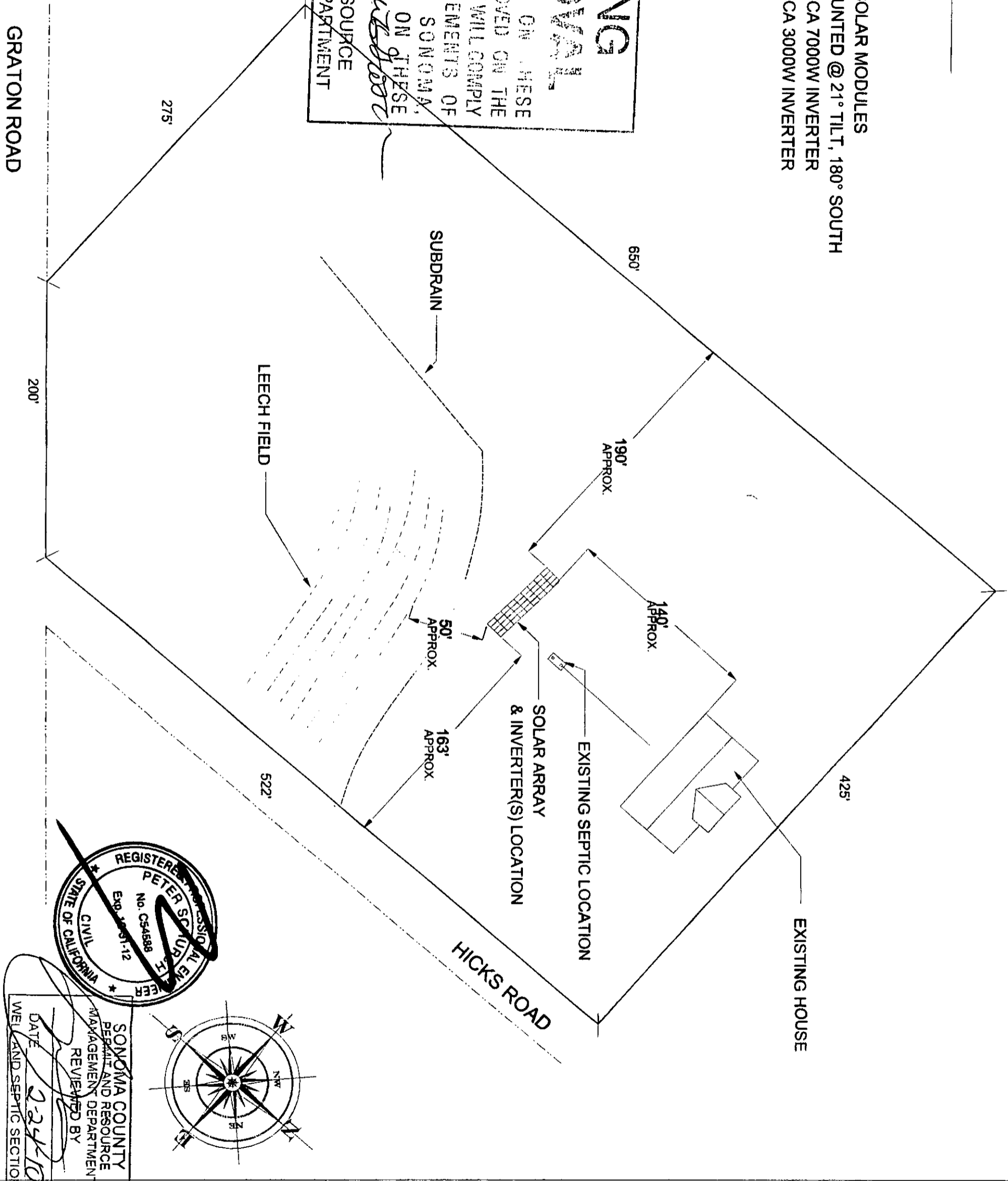
The best in their class

Our US series inverters utilize our proven technology and are designed specifically to meet IEEE-1547 requirements. Sunny Boy 6000US, Sunny Boy 7000US and Sunny Boy 8000US are also compatible with the Sunny Tower. Increased efficiency means better performance and shorter payback periods. All four models are field-configurable for positive ground systems making them more versatile than ever. Throughout the world, Sunny Boy is the benchmark for PV inverter performance and reliability.

**SITE PLOT**

36 ET 275W SOLAR MODULES  
 GROUND MOUNTED @ 21° TILT, 180° SOUTH  
 1 SMA-AMERICA 7000W INVERTER  
 1 SMA-AMERICA 3000W INVERTER

**ZONING APPROVAL**  
 WORK INDICATED ON THESE DRAWINGS IS APPROVED ON THE BASIS THAT ALL WORK WILL COMPLY WITH ALL REQUIREMENTS OF THE COUNTY OF SONOMA, WHETHER SHOWN ON THESE DRAWINGS OR NOT. *WMS/2010*  
 2-24-2010  
 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT



SONOMA COUNTY  
 PERMIT AND RESOURCE  
 MANAGEMENT DEPARTMENT  
 REVIEWED BY  
 DATE *2-24-10*  
 WELL AND SEPTIC SECTION



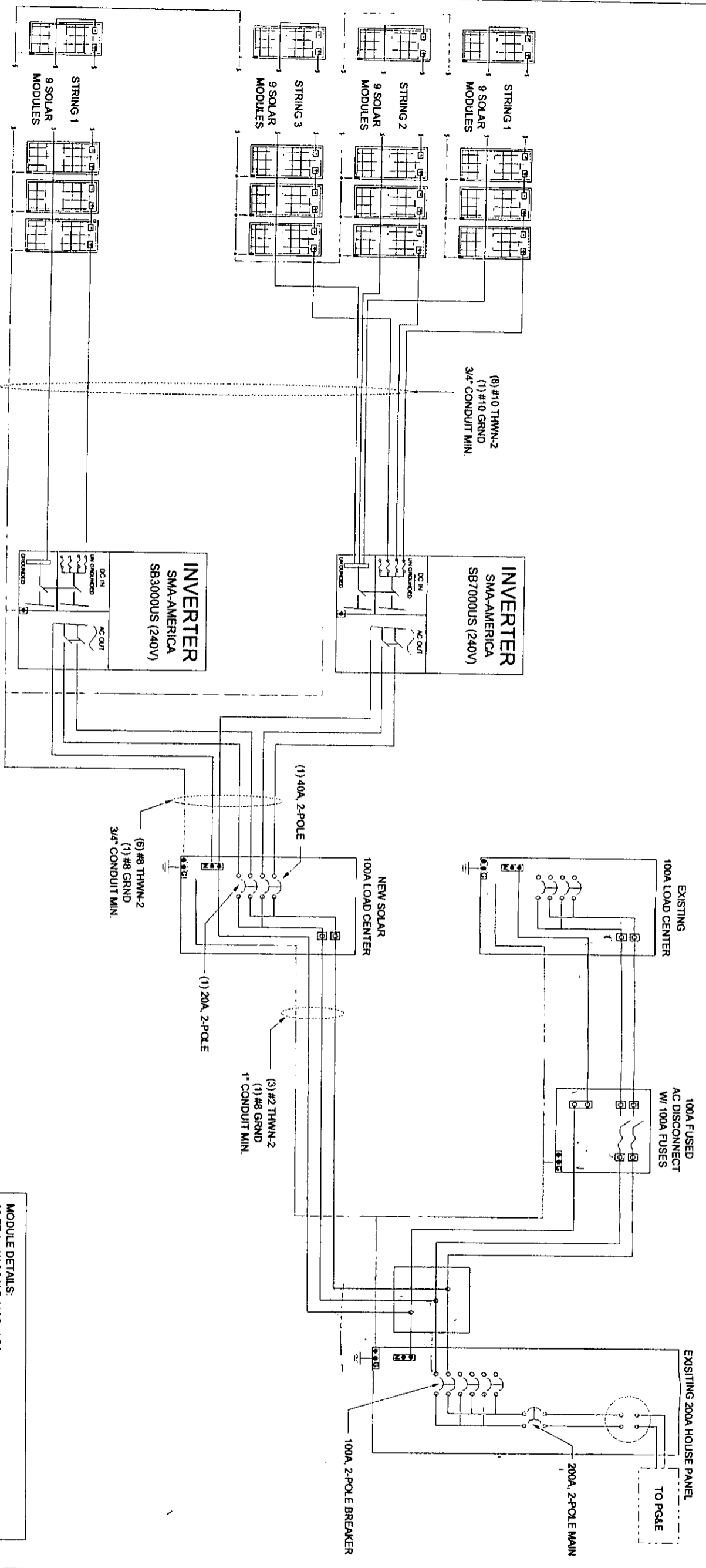
ONE SUN, INC.  
 PO BOX 532, GRATON, CA 95444  
 V: 707-824-1951 F: 707-634-1423  
 CA LIC# ~~860359~~ *940 535*

DRAWING: PV.SP  
 DATE: 2/21/2010

DRAWN BY: SAM PROM

FRANK MAYHEW  
 3160 HICKS ROAD  
 SEBASTOPOL CA 95472-2413  
 APN: 130-146-032

CONFIDENTIAL  
 This drawing and any data, description, and other information contained herein are considered as proprietary and exclusive property of ONE SUN, INC.



PHOTOVOLTAIC SYSTEM SINGLE LINE DIAGRAM

**INVERTER OUTPUT DATA:**  
 AC NOMINAL POWER= 7000W @ 240V  
 AC MAXIMUM OUTPUT POWER= 7000W  
 AC MAXIMUM OUTPUT CURRENT= 29A @ 240V  
 AC NOMINAL = 211-264V AC  
 AC FREQUENCY RANGE= 60Hz / 59.3Hz - 60.5Hz  
 POWER FACTOR @ FULL LOAD= 1

**MODULE DETAILS:**  
 36 ET 275W SOLAR MODULES  
 OPEN CIRCUIT VOLTAGE= 43.78V DC  
 MAXIMUM POWER VOLTAGE= 36.72V DC  
 SHORT CIRCUIT CURRENT= 7.96A  
 MAXIMUM POWER CURRENT= 7.49A

**INVERTER OUTPUT DATA:**  
 AC NOMINAL POWER= 3000W @ 240V  
 AC MAXIMUM OUTPUT POWER= 3000W  
 AC MAXIMUM OUTPUT CURRENT= 12.5A @ 240V  
 AC NOMINAL = 211-264V AC  
 AC FREQUENCY RANGE= 60Hz / 59.3Hz - 60.5Hz  
 POWER FACTOR @ FULL LOAD= 1

THIS DESIGN COMPLIES WITH ALL 2005 NEC CODE REQUIREMENTS  
 ALL LABELS AND STICKER WILL BE PROVIDED  
 IN LOCATIONS AS REQUIRED PER NEC 690.53



ONE SUN, INC.  
 PO BOX 532, GRATON, CA 95444  
 V: 707-824-1951 F: 707-634-1423  
 CA LIC # 868355 - 940.535

DRAWING: PV.SLD  
 DATE: 2/20/2010

DRAWN BY: SAM PROM

FRANK MAYHEW  
 3160 HICKS ROAD  
 SEBASTOPOL CA 95472-2413  
 APN: 130-146-032