

B

Type

X

Plans

BLD13-2382

Permit Number

4401

Street Number

Gusser Rd

Street Name

SRO

Community Code

057-070-031

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: Alan Spence Date Applied: 5/29/13

INFORMATION WITHIN HEAVY LINE TO BE COMPLETED BY APPLICANT

SITE LOCATION INFORMATION - PRINT CLEARLY

Site Address: 4401 Slusser Road City: Windsor ZIP: 95492
 Cross-Street: RIVER ROAD APN: 057-070-031 Project Phone #: 707 738-9340 Project Fax #: ()
 Directions: _____ Email address: alan@bpi-powers.com Unit # _____ Lot # _____
 Describe Project: 117.6 kw roof mount Solar Living Area _____ Contract Price: 300,000
 Garage _____ Decks _____

OWNER NAME AND ADDRESS

APPLICANT NAME AND ADDRESS

Name: Sonoma-Cutrer Vineyards Name: Bright Power Inc dba BPI
 Mailing Address: 4401 Slusser Road Mailing Address: PO Box 10637
 City: Windsor State: CA ZIP: 95492 City: Napa State: CA ZIP: 94581
 Day Ph: (877) 797-3489 Fax: () Day Ph: (707) 738-9340 Fax: ()

CONTRACTOR INFORMATION

OTHER PERSONS (ARCHITECT, ENGINEER, ETC.)

Company Name: Bright Power Inc dba BPI Name: _____
 Address: _____ Address: _____
 City: _____ State: _____ ZIP: _____ City: _____ State: _____ ZIP: _____
 Day Ph: () Fax: () 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: State Compensation Ins Fund
 Policy No.: 1937926

(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: 3/14/14 Applicant: Alan Spence

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.

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: _____

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: A/C10 Lic. No.: 930054

Exp. Date: 3/31/15 Contractor: Bright Power Inc

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.

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.

PERMITTEE SIGNATURE: Alan Spence
 ADDRESS: PO Box 10637 Napa 94581
 CITY: _____ ZIP: _____

Contractor Owner Other Licensed Professional

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

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: None - Owner Financed
 Lenders Address: _____

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: _____

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: _____ Date: _____

Fire: _____ Date: _____

Code Enforcement Violation Yes No Violation # _____

This permit is limited to _____ days. 7

Work Authorized: roof mounted PV system

Plans Approved Post FIRM Alquist Prior Report Available
 No Plans Subject to Field Inspection Pre FIRM Geotechnical report Available

Plancheck Cleared By: JOB/13 Date: _____ Type of Construction: VG Occupancy: FI No. of Stories: _____ No. of Bedrooms: _____

Permit Cleared for Issuance By: 6-3-13 Date: _____ Auto. Fire Sprinklers Req'd: _____ No. of Units: _____ Certificate of Occupancy: _____

PAID IN FULL REC'D
 JUN - 3 2013
 PERMIT AND RESOURCE MANAGEMENT DEPARTMENT
 COUNTY OF SONOMA

JOB ADDRESS: 4401 Slusser Rd. PERMIT NUMBER: 61013-2382 INSPECTION AREA: 8

Revised: 01/28/2009
 created: s:\harcourt\csc-007.doc

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	
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			773)	UNDERGROUND FLUSH
	YARD			774)	THRUST BLOCKS
190)	MANUF. HOME FOUNDATION			775)	PIPE WELD
191)	MANUF. HOME INSTALLATION			776)	HYDRANTS/APPLIANCES
	CONTINUITY			777)	PUMP ACCEPTANCE
	STAIRS/SKIRTS			778)	WATER SUPPLY/TANK
	RIDGE BOLTING			779)	ALARM SYSTEM
193)	MANUF. HOME COND. FINAL			780)	HOOD & DUCT SYSTEM
	SWIMMING POOLS			781)	ABOVEGROUND TANK/DISPENSER
194)	PRE-GUNITE			198)	FIRE FINAL
195)	PRE-DECK			CLEARANCES:	
196)	PRE-PLASTER/FENCE			FIRE	<input type="checkbox"/> Local <input type="checkbox"/> County
197)	VINYL/FIBERGLASS POOL EXCAVATION			HEALTH DEPARTMENT	
102)	GRADING FINAL	8-19-13	RF	ZONING	
176)	ELECTRICAL FINAL			SANITATION	
177)	MECHANICAL FINAL				
178)	PLUMBING FINAL				
199)	FINAL	8-19-13	RF		
	OCCUPANCY (OK TO OCCUPY)			PLAN RETENTION REQUIRED?	
				<input type="checkbox"/> Yes	<input type="checkbox"/> No

PERMIT #



AE 75TX and AE 100TX (Formerly known as PVP75kW and PVPI00kW)

The industry standard for
reliability and ease of installation

The AE 75TX and AE 100TX commercial inverters set the industry standard for high reliability, ease of installation, and lifetime maintainability. Designed for a 20+ year operating life, high reliability is enabled by busbar power connections, redundant cooling system, and card cage circuit board design resulting in a track record of 99+% uptime. With a best-in-class efficiency of 96%, the highly integrated system is designed to save installers time and money with load break rated AC & DC service disconnects, neutral-free installation, oversized busbar landings, and generous cable bending area with bottom and side entry options. The wide 295-595 V operating window maximizes energy harvest and provides exceptional stringing flexibility.

New features include remote disable inputs and an expanded array of monitored subcombiner fusing options. A 24 V auxiliary power supply, revenue grade meter, and performance monitoring gateway can also be added for a completely integrated inverter solution. Advanced power controls provide essential utility support functions including power factor, curtailment, and controlled ramp rate.

The AE 75TX and the AE 100TX are backed with an industry-leading 10-year nationwide warranty and a comprehensive optional 20-year warranty; plus the best service and support team in the business.

Superior Reliability

- Engineered power connections eliminate failure points
- Increased availability with >99% monitored fleet availability
- Card cage circuit board design
- Redundant cooling system with Smart Air Management™
- Redundant industrial grade power supply

Exceptional Installability

- Bottom and side cable entry
- Generous cable bending area
- Complete range of fused DC subcombiner options
- Exterior mounting flange for fast and easy anchoring
- Error-free AC auto-phasing

Easy to Maintain

- All maintenance and service via front and side access
- Fast change circuit board system shortens service time
- Load break rated AC and DC service disconnects
- Dedicated performance monitoring section





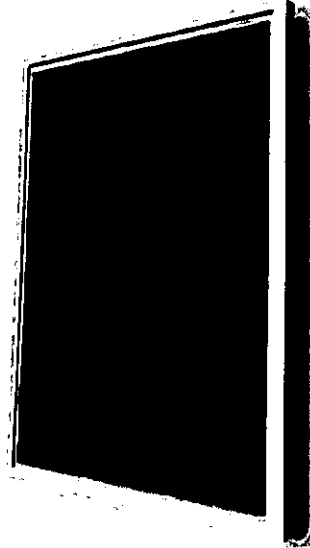
TALESUN

TP660P

Peak Power:235-255Wp

MODULE CHARACTERISTICS

- Plus Only Power Tolerance: 0-+5W
- High Mechanical Load Strength:
 - Product to Withstand High Wind Loads (2400Pa) and High Snow Loads (5400Pa) in Accordance with IEC 61215
- Fully Automated Production Line:
 - Better Soldering
 - Better Cell Spacing Tolerance: ±0.3mm
 - Better and More Consistent Product Quality



ELECTRICAL PARAMETERS* TP660P

MODEL	235	240	245	250	255
Maximum Rated Power at STC	235W	240W	245W	250W	255W
Voltage at Maximum Power (Vmp)	29.5V	29.7V	30.1V	30.3V	30.4V
Current at Maximum Power (Imp)	7.97A	8.08A	8.14A	8.25A	8.39A
Open Circuit Voltage (Voc)	36.8V	36.9V	37.1V	37.3V	37.5V
Short Circuit Current (Isc)	8.59A	8.62A	8.65A	8.69A	8.73A
Module Efficiency ηm(%)	14.5	14.8	15.1	15.4	15.7
Power Tolerance	0-+5W				
Temperature Coefficient	Pmax		-0.45%/°C		
	Voc		-0.35%/°C		
	Isc		+0.05%/°C		
	NOCT		45 ± 2°C		

* STC: 1000 w/m², 25 °C, AM 1.5



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INC. ANCHORS/SLAB

STRUCTURAL CALCULATIONS

FOR

CUTRER VINEYARD - INVERTER

4401 SLUSSER ROAD
WINDSOR, CA

VERTEX[®]

BY:

David J. Wilcox
141 Stony Circle, Suite 195
Santa Rosa, Ca. 95401
(707) 545-2200



PROJECT NUMBER

25262.0

5/31/2013