



1 PV THREE LINE DIAGRAM
 SCALE: NOT TO SCALE

MODULE:
 - CONERGY S 175MU
 - QUANTITY: 2,880
 - UL 1703 LISTED MODULES
 - VOC = 44.2 V DC
 - VMP = 35.2 V DC
 - ISC = 5.20 A DC
 - IMP = 4.95 A DC
 - WEIGHT = 34.2 LB
 - DIM 162.2" x 31.8" x 1.38"
 - CEC APPROVED MODULE

INVERTER #1:
 - XANTREX GT250-480
 - MAX OUTPUT POWER = 250KW
 - NOMINAL AC OUTPUT CURRENT = 301 A AC
 - OUTPUT VOLTAGE 480 V AC
 - DC INPUT VOLTAGE RANGE 300-600 VDC
 - INTERNAL GROUND FAULT PROTECTION
 - INVERTER IS LISTED TO UL 1741
 - "UTILITY INTERACTIVE"
 - UNIT HAS INTEGRATED DC & AC DISCONNECTS
 - CEC APPROVED INVERTER

INVERTER #2:
 - XANTREX GT250-480
 - MAX OUTPUT POWER = 250KW
 - NOMINAL AC OUTPUT CURRENT = 301 A AC
 - OUTPUT VOLTAGE 480 V AC
 - DC INPUT VOLTAGE RANGE 300-600 VDC
 - INTERNAL GROUND FAULT PROTECTION
 - INVERTER IS LISTED TO UL 1741
 - "UTILITY INTERACTIVE"
 - UNIT HAS INTEGRATED DC & AC DISCONNECTS
 - CEC APPROVED INVERTER

PV SUB-PANEL:
 - 800 AMP 480 VOLT 3PHASE 3R
 - 800 AMP 3 POLE MAIN
 - (2) 400 AMP 3 POLE BREAKERS

AC DISCONNECTS:
 - 800 AMP 480 VOLT FUSED DISCONNECT SWITCH, 3 PHASED, 3R
 - SQUARED H367HR OR EQUIVALENT

(E) TRANSFORMER
 SIZE: 12KV
 VOLTAGE: 277/488 VOLTS
 TO PG&E

(E) WINERY SWITCHGEAR:
 480 VAC, 3 PHASE
 2000 AMP MAIN
 2500 AMP RATING FOR BUS BAR
 PG&E METER # X46260
 LINE SIDE TAP

3	WIRE SIZE REVISION	09-16-08
2	PLAN CHECK REVISION	04-24-08
1	PERMIT SUBMITTED	12-07-07
NO.	REVISION	DATE

PROJECT MANAGER: MIKE DAWSON
 PROJECT ENGINEER: KEVIN WEST
 DRAFTER: VANCE SMITH
 CHECKED BY: ANASTASIOS HONIS

PROJECT TYPE:
 504 KW STC SINGLE AXIS TRACKER AG SOLAR PV SYSTEM

PROJECT INFORMATION:

WINERY

SHEET TITLE:
PV THREE LINE DIAGRAM

SHEET NUMBER:
PV2.10