

1. LABEL "INVERTER OUTPUT CONNECTION. DO NOT RELOCATE THIS OVERCURRENT DEVICE."

OPERATING CURRENT AND THE OPERATING VOLTAGE PER NEC 690.54.

OFF POSITION.

1234 South Main S Any City, Arizona 8 Tel: 602-555-55	treet 5123 55
APPROVALS	D
DRAWN ABC	11-4
CHECKED	
ENGINEER	
REV. A	
PROJECT 120V BATTERY S	YSTEM



PHOTOVOLTAIC MODULE SPECIFICATIONS

[SPECIFY MAKE & MODEL] 165 WATTS Voc=21.6 VDC, Isc=10.10 AMPS Vmp=17.4 VDC, Imp=9.48 AMPS



NOTES:

EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC AND ALL APPLICABLE 1 REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.

PV STRING #1

4 MODULES IN SERIES

- GROUND WIRE MUST BE CONTINUOUS AND INSTALLED TO ALLOW FOR PANEL REMOVAL WITHOUT 2. DISRUPTING CONTINUITY. ALL MODULE GROUND CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH NEC 690-4 (C).
- FOLLOW MANUFACTURERS SUGGESTED INSTALLATION PRACTICES AND WIRING SPECIFICATIONS. 3.
- 4. WIRES SHALL BE RATED AND LABELED "SUNLIGHT RESISTANT" WHERE EXPOSED TO AMBIENT CONDITIONS.

REV.	
A	PRELIMINARY DI

ONE PHOTOVOLTAIC STRING

660 WATTS 4 MODULES IN SERIES PER STRING Voc=86.4 VDC, Isc=10.10 AMPS Vmp=69.6 VDC, Imp=9.48 AMPS (TYPICAL OF 4 STRINGS)

COMPLETE PHOTOV

2640 WATTS Voc = 86.4 VDC, lsc = -Vmp = 69.6 VDC, Imp =

#6 BA Grounding Electrodes near PV array per NEC 690.47(D). The rack structures can serve as the grounding electrodes if they are grounded per NEC 250.52.



/.		DESC	RIPTION	DATE
	PRELIMINARY DRAWING SE	<u> </u>		01/08/14
<u> </u>	PHOTOVOLIAIC ARRA	Y		
26	40 WATTS			
4 ∖ ; V	'DC, lsc = 40.4 AMPS DC. lmp = 37.92 AMPS			
•				
#1	0 CU USE-2 GROUND			
•		IS		
	Up to 4 strir	Strings ngs)		
			This Sample Drawing is for illustration purposes	
			only and is not to be used for design or construction. This drawing and its suitability for end	
\triangleleft	#6 BARE CU	L L L L L L L L L L L L L L L L L L L	use is not implied. The intent is to only illustrate typical minimum information required at time of	
			application to APS. Additional information may be required.	
			•	
<u> </u>	-			
	SAME	PLE ARR/	AY DRAWING	
,	224 South Main Otrest			
12 A	234 South Main Street ny City, Arizona 85123 Tel: 602-555-5555	ABC	BATTERY BACKUP CO. IN	
		THREE-L	INE ELECTRICAL ARRAY DIAC	GRAM
PR N	OVALSDATEABC11-4-2016	3.5	KW AC PV/BATTERY SYSTEM	
٢E)		12345 W. OUTBACK WAY	
EE	R		ANT ULLY, AZ 85123	
<u>،</u>			100-0003	
3C	PROJECT #1111-9999	SCALE NA	REV. A SHEET 3 C	DF 5



	A	NOT FOR CONSTRUCTION	DESCRIPTION		DATE 01-08-14
MINY					
T # 5					
	PLA	ANT LOCATIO	DN		
ADO RIVER	RD				
ABC BA		ERY BAC	KUP CO.	INC.	
PROVALS DA	ATE	3,5AC kw f	PV/BATTERY	SYSTEM	PLAN
L 11-4- ED	-2016	SAMPLE BA	ATTERY SYST	ΕM	
EER		IZ345 W, I ANY CITY,	AZ 85123 Luibauk WA	Ý	
		SIZE CODE INTENT NO	. DRAWING NO.		
PROJECT:					
/ BATTERY SYST	EM	scale NTS	REV. O	SHEET 4	of 5

