Homeowner:	Date:				
	Signature:				
	·				
Ambient Temp (°F): Actual Output Insolation (W/m2): CEC-AC Ratin Expected Output	(W): ng from EPBB/FIWS (W) 				
Verified EPBB Checked system output exceeds expected output Walked homeowner through inverter operation	Discussed next steps with homeowner Checked that site is clean Turned system off				
ROOF TEAM I	TEMS				
RACKING All roof attachments are tight Standoff screwed in tight to base Sealant applied to top of flashing All rail sections are grounded Excess rail is trimmed	COMMENTS				
MICRO INVERTERS (IF APPLICABLE) All inverters are firmly secured All inverter connections are tight and secured away from a All inverters are grounded End cap is securely fastened	COMMENTS				
MODULES All module clamps are tight All module connections are tight All module grounding lugs are tight (if applicable) All WEEBs are oriented correctly (if applicable) All WEEB circular tabs completely under module frames (if applicable) All modules are grounded All module wiring is neatly secured away from roof No wires are pinched between modules and rails	COMMENTS				
JUNCTION BOX Line 3 is capped and appropriately insulated (MI ONLY) Array lines 1 & 2 are terminated to load side of switch (MI ONLY) Utility lines 1 & 2 are terminated to line side of switch (MI ONLY) Positive wire is connected to positive module lead(s) Negative wire is connected to negative module lead(s) All connections in junction box pass tug test Junction box fittings are tight Junction box cover (and switch if needed) are secured	COMMENTS Y) ()				
RACEWAYS All conduit has been reamed All conduit fittings are tight All conduit is secured (3' from connector & every 10' for E No kinks or cuts in conduit No more than 360° of bend between pulling points Outdoor fittings are used in wet and damp locations All conduit bodies are accessible Outdoor covers are used in wet and damp locations	COMMENTS				

GROUND TEAM ITEN	15
RACEWAYS All conduit fittings are tight All conduit is secured (3' from fittings and every 10' for EMT) No kinks or cuts in conduit No more than 360° of bend between pulling points Outdoor fittings are used in wet and damp locations All conduit bodies are accessible All conduit bodies are closed Outdoor covers are used in wet and damp locations If conduit runs through exterior wall, holes have been caulked	COMMENTS
AC DISCONNECT Hot wires from utility terminated to line side (top) Hot wires from inverter terminated to load side (bottom) Neutral wire (if any) passes unbroken through disconnect Grounding wire (#8 or bigger) passes unbroken through disconnect Lock nuts and grounding bushings installed on both conduit fittings Set screws on grounding bushings are tight Disconnect is padlocked shut (if not integrated with inverter)	COMMENTS
Inverter Positive wire connects to + terminal Negative wire connects to – terminal Hot wire(s) (red and/or black) connect(s) to L1 and/or L2 terminals Neutral wire (if any) connects to AC neutral terminal Ground wires (green) connect to ground terminal (PE) and ground lug Lock nuts and grounding bushings installed on both conduit fittings Set screws on grounding bushings are tight Cover of inverter is secure with all screws and star washers Lock nuts and grounding bushings installed on both conduit fittings	COMMENTS
WIRING All connections pass the tug test All strands of wire are in terminations Wire is stripped so insulation is not in termination Exposed wire in termination is kept to a minimum Wire insulation is not scuffed or broken anywhere	COMMENTS
ELECTRICAL PANEL & LABELING Circuit breaker is securely snapped in Lock nuts and grounding bushings installed on both conduit fittings Set screws on grounding bushings are tight Site diagram label is secured near meter AC disconnect is labeled DC disconnect is labeled Electrical panel is labeled	COMMENTS
Commissioning Polarity is correct (i.e. V between positive wire and ground is positive) AC Voltage at inverter is close to 240V DC Voc is close to expected value	

** NOTE: IF SYSTEM HAS NOT BEEN PROPERLY COMMISSIONED, INVERTER (OR DISCONNECTS) SHOULD BE LOCKED IN THE OFF POSITION.

SERIA	AL NUMBERS MODULES	INV	VERTERS	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				

Field Varifiantian Qutnut Table											
() () () () () () () () () () () () () (
(vv/m²)	1=15	1=25	1=35	1=45	1=55	1=65	1=75	1=85	1=95	1=105	1=115
300	26%	26%	25%	24%	24%	23%	22%	22%	21%	20%	20%
325	28%	28%	27%	26%	26%	25%	24%	24%	23%	22%	22%
350	31%	30%	29%	28%	28%	27%	26%	25%	25%	24%	23%
375	33%	32%	31%	31%	30%	29%	28%	27%	27%	26%	25%
400	35%	34%	33%	33%	32%	31%	30%	29%	28%	27%	27%
425	37%	36%	36%	35%	34%	33%	32%	31%	30%	29%	28%
450	40%	39%	38%	37%	36%	35%	34%	33%	32%	31%	30%
475	42%	41%	40%	39%	38%	37%	36%	35%	34%	33%	32%
500	44%	43%	42%	41%	40%	39%	38%	37%	36%	34%	33%
525	46%	45%	44%	43%	42%	41%	40%	38%	37%	36%	35%
550	48%	47%	46%	45%	44%	43%	41%	40%	39%	38%	37%
575	51%	49%	48%	47%	46%	45%	43%	42%	41%	40%	38%
600	53%	51%	50%	49%	48%	46%	45%	44%	43%	41%	40%
625	55%	54%	52%	51%	50%	48%	47%	46%	44%	43%	42%
650	57%	56%	54%	53%	52%	50%	49%	47%	46%	45%	43%
675	59%	58%	56%	55%	54%	52%	51%	49%	48%	46%	45%
700	61%	60%	58%	57%	55%	54%	52%	51%	49%	48%	46%
725	63%	62%	60%	59%	57%	56%	54%	53%	51%	50%	48%
750	65%	64%	62%	61%	59%	58%	56%	54%	53%	51%	49%
775	68%	66%	64%	63%	61%	59%	58%	56%	54%	53%	51%
800	70%	68%	66%	65%	63%	61%	59%	58%	56%	54%	53%
825	72%	70%	68%	66%	65%	63%	61%	59%	58%	56%	54%
850	74%	72%	70%	68%	66%	65%	63%	61%	59%	57%	55%
875	76%	74%	72%	70%	68%	66%	65%	63%	61%	59%	57%
900	78%	76%	74%	72%	70%	68%	66%	64%	62%	60%	58%
925	79%	78%	76%	74%	72%	70%	68%	66%	64%	62%	60%
950	81%	79%	77%	75%	73%	71%	69%	67%	65%	63%	61%
975	83%	81%	79%	77%	75%	73%	71%	69%	67%	65%	63%
1000	85%	83%	81%	79%	77%	75%	73%	70%	68%	66%	64%
1025	90%	85%	83%	81%	78%	76%	74%	72%	70%	67%	65%
1050	90%	90%	84%	82%	80%	78%	76%	73%	71%	69%	66%
1075	90%	90%	86%	84%	82%	79%	77%	75%	72%	70%	68%
1100	90%	90%	90%	86%	83%	81%	79%	76%	74%	71%	69%
1125	90%	90%	90%	90%	85%	82%	80%	78%	75%	73%	70%
1150	90%	90%	90%	90%	86%	84%	81%	79%	76%	74%	71%
1175	90%	90%	90%	90%	90%	85%	83%	80%	78%	75%	73%
1200	90%	90%	90%	90%	90%	90%	84%	82%	79%	77%	74%

For systems that have only one string connected to a single inverter or for systems using micro-inverters, the following applies:

1. Record Temperature and Irradiance as discussed in CSI Handbook [note: to be added in accordance with "Guidelines"]

2. Examine Field Verification Output (FVO) table for the percentage shown given the measured temperature and irradiance. Always round temperature up to the next block. So, 47 degrees rounds up to 55 degrees on the chart.

3. Multiply the CEC-AC (from EPBB printout) times the FVO percentage to get estimated system output.

4. Compare estimated system output with actual output. If actual system output is higher, system is operating within expectations. If estimated output is higher, perform additional diagnostics and correct any issues as the system may not be performing properly.