

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Modern Loft M.13 (Yuri) Maintenance : MA Date : 25 March 2025

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
<u>Sonnax</u>	<u>SNXD60HND-480M</u>	<u>20</u> kWp.	<u>48</u> Panels	<u>Solis</u>	<u>SS-GR3P20K</u>	<u>18090B023B180036</u>

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection		Remark
String 1	Panels Vmp	<u>323.0</u> Vdc	Voc	<u>393.5</u> Vdc	Isc <u>11.70</u> A.	<u>11:30</u>	✓ Pass	Not Pass
String 2	Panels Vmp	<u>322.7</u> Vdc	Voc	<u>394.1</u> Vdc	Isc <u>11.78</u> A.	:	✓ Pass	Not Pass
String 3	Panels Vmp	<u>453.3</u> Vdc	Voc	<u>549.6</u> Vdc	Isc <u>12.40</u> A.	:	✓ Pass	Not Pass
String 4	Panels Vmp	<u>450.0</u> Vdc	Voc	<u>550.1</u> Vdc	Isc <u>12.09</u> A.	:	✓ Pass	Not Pass
String 5	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 6	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 7	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 8	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 9	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 10	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 11	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 12	Panels Vmp		Vdc		Isc	:	Pass	Not Pass

After Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection		Remark
String 1	Panels Vmp	<u>323.5</u> Vdc	Voc	<u>397.4</u> Vdc	Isc <u>11.63</u> A.	<u>12:15</u>	Pass	Not Pass
String 2	Panels Vmp	<u>323.2</u> Vdc	Voc	<u>384.6</u> Vdc	Isc <u>11.83</u> A.	:	Pass	Not Pass
String 3	Panels Vmp	<u>442.9</u> Vdc	Voc	<u>541.3</u> Vdc	Isc <u>12.45</u> A.	:	Pass	Not Pass
String 4	Panels Vmp	<u>441.3</u> Vdc	Voc	<u>542.0</u> Vdc	Isc <u>12.53</u> A.	:	Pass	Not Pass
String 5	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 6	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 7	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 8	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 9	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 10	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 11	Panels Vmp		Vdc		Isc	:	Pass	Not Pass
String 12	Panels Vmp		Vdc		Isc	:	Pass	Not Pass

Inverter Inspection				Remark
Device	Readings from Smarter Meter	Readings from Inverter Display	Field Measured Readings	
Inverter	AC Line Voltage		AC Line Voltage	
	Phase L1 to Grd : <u>227.5</u> Vac	Phase L1 to Grd : <u>233.3</u> Vac	Phase L1 to Grd : <u>230.0</u> Vac	
	Phase L2 to Grd : <u>233.4</u> Vac	Phase L2 to Grd : <u>235.9</u> Vac	Phase L2 to Grd : <u>235.7</u> Vac	
	Phase L3 to Grd : <u>238.6</u> Vac	Phase L3 to Grd : <u>239.0</u> Vac	Phase L3 to Grd : <u>239.4</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : <u>15.30</u> A	Phase L1 to Grd : <u>25.20</u> A	Phase L1 to Grd : <u>23.56</u> A	
	Phase L2 to Grd : <u>13.80</u> A	Phase L2 to Grd : <u>25.00</u> A	Phase L2 to Grd : <u>23.25</u> A	
	Phase L3 to Grd : <u>3.60</u> A	Phase L3 to Grd : <u>25.00</u> A	Phase L3 to Grd : <u>23.35</u> A	

Comment : _____

Inspection By : _____

(Bunharn Libnoy)Project Engineer

Date : ____/____/____