

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Botanica Modern Loft M29 Maintenance : MA Date : 19 October 2024

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
<u>Sonnax</u>	<u>SNX-D60HND-480M</u>	<u>10</u> Kwp.	<u>25</u> Panels	<u>Solis</u>	<u>SH-GR3P10K</u>	<u>1805060235310012</u>

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection		Remark
String 1	<u>13</u> Panels	Voc <u>522.6</u> Vdc	Vmp <u>440.1</u> Vdc	Isc <u>9.39</u> A.	<u>12 : 30</u>	☒ Pass	☐ Not Pass	
String 2	<u>12</u> Panels	Voc <u>482.8</u> Vdc	Vmp <u>418.6</u> Vdc	Isc <u>5.96</u> A.	:	☒ Pass	☐ Not Pass	
String 3	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 4	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 5	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 6	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 7	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 8	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 9	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 10	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 11	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 12	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	

After Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection		Remark
String 1	<u>13</u> Panels	Voc <u>527.9</u> Vdc	Vmp <u>449.2</u> Vdc	Isc <u>3.66</u> A.	<u>13 : 30</u>	☒ Pass	☐ Not Pass	
String 2	<u>12</u> Panels	Voc <u>488.3</u> Vdc	Vmp <u>416.9</u> Vdc	Isc <u>4.65</u> A.	:	☒ Pass	☐ Not Pass	
String 3	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 4	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 5	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 6	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 7	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 8	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 9	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 10	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 11	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 12	_____ Panels	Voc _____ Vdc	Vmp _____ Vdc	Isc _____ A.	:	☐ Pass	☐ Not Pass	

Inverter Inspection

Device	Readings from Smarter Meter	Readings from Inverter Display	Field Measured Readings	Remark
Inverter	AC Line Voltage		AC Line Voltage	
	Phase L1 to Grd : <u>235.6</u> Vac	Phase L1 to Grd : <u>232.5</u> Vac	Phase L1 to Grd : <u>235.3</u> Vac	
	Phase L2 to Grd : <u>237.1</u> Vac	Phase L2 to Grd : <u>242.2</u> Vac	Phase L2 to Grd : <u>236.9</u> Vac	
	Phase L3 to Grd : <u>238.1</u> Vac	Phase L3 to Grd : <u>236.1</u> Vac	Phase L3 to Grd : <u>237.6</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : <u>6.00</u> A	Phase L1 to Grd : <u>6.0</u> A	Phase L1 to Grd : <u>5.93</u> A	
	Phase L2 to Grd : <u>5.40</u> A	Phase L2 to Grd : <u>6.0</u> A	Phase L2 to Grd : <u>5.78</u> A	
	Phase L3 to Grd : <u>5.30</u> A	Phase L3 to Grd : <u>6.0</u> A	Phase L3 to Grd : <u>5.66</u> A	

Comment :

9.00.00 AM 19/10/2024 25 0.75