

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Arann Massage

Maintenance : MA

Date : 23 October 2024

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
<u>Sonnax</u>	<u>SNX-260HND-480M</u>	<u>40</u> Kwp.	<u>86</u> Panels	<u>Solis</u>	<u>SH-AC40K</u>	<u>1811040235310012</u>

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection		Remark
String 1	Panels	Voc <u>426.4</u> Vdc	Vmp <u>424.3</u> Vdc	Isc <u>1.25</u> A.	<u>13:00</u>	☒ Pass	☐ Not Pass	
String 2	Panels	Voc <u>423.0</u> Vdc	Vmp <u>424.3</u> Vdc	Isc <u>0.66</u> A.	:	☒ Pass	☐ Not Pass	
String 3	Panels	Voc <u>422.9</u> Vdc	Vmp <u>422.9</u> Vdc	Isc <u>0.91</u> A.	:	☒ Pass	☐ Not Pass	
String 4	Panels	Voc <u>423.2</u> Vdc	Vmp <u>422.4</u> Vdc	Isc <u>1.03</u> A.	:	☒ Pass	☐ Not Pass	
String 5	Panels	Voc <u>423.9</u> Vdc	Vmp <u>423.1</u> Vdc	Isc <u>1.04</u> A.	:	☒ Pass	☐ Not Pass	
String 6	Panels	Voc <u>423.1</u> Vdc	Vmp <u>423.1</u> Vdc	Isc <u>1.93</u> A.	:	☒ Pass	☐ Not Pass	
String 7	Panels	Voc <u>593.6</u> Vdc	Vmp <u>593.3</u> Vdc	Isc <u>1.00</u> A.	:	☒ Pass	☐ Not Pass	
String 8	Panels	Voc <u>593.3</u> Vdc	Vmp <u>593.3</u> Vdc	Isc <u>1.01</u> 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	Panels	Voc <u>426.3</u> Vdc	Vmp <u>424.2</u> Vdc	Isc <u>1.21</u> A.	<u>13:35</u>	☒ Pass	☐ Not Pass	
String 2	Panels	Voc <u>423.2</u> Vdc	Vmp <u>424.9</u> Vdc	Isc <u>0.60</u> A.	:	☒ Pass	☐ Not Pass	
String 3	Panels	Voc <u>422.1</u> Vdc	Vmp <u>422.0</u> Vdc	Isc <u>0.90</u> A.	:	☒ Pass	☐ Not Pass	
String 4	Panels	Voc <u>423.6</u> Vdc	Vmp <u>422.2</u> Vdc	Isc <u>1.07</u> A.	:	☒ Pass	☐ Not Pass	
String 5	Panels	Voc <u>423.8</u> Vdc	Vmp <u>423.6</u> Vdc	Isc <u>1.04</u> A.	:	☒ Pass	☐ Not Pass	
String 6	Panels	Voc <u>423.9</u> Vdc	Vmp <u>423.4</u> Vdc	Isc <u>1.11</u> A.	:	☒ Pass	☐ Not Pass	
String 7	Panels	Voc <u>594.9</u> Vdc	Vmp <u>594.8</u> Vdc	Isc <u>1.21</u> A.	:	☒ Pass	☐ Not Pass	
String 8	Panels	Voc <u>593.6</u> Vdc	Vmp <u>594.0</u> Vdc	Isc <u>1.00</u> 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		AC Line Voltage		
	Phase L1 to Grd :	<u>233.6</u> Vac	Phase L1 to Grd :	<u>233.6</u> Vac	Phase L1 to Grd :	<u>233.6</u> Vac	
	Phase L2 to Grd :	<u>234.4</u> Vac	Phase L2 to Grd :	<u>234.0</u> Vac	Phase L2 to Grd :	<u>234.4</u> Vac	
	Phase L3 to Grd :	<u>107.6</u> Vac	Phase L3 to Grd :	<u>105.1</u> Vac	Phase L3 to Grd :	<u>107.1</u> Vac	
	AC Line Current		AC Line Current		AC Line Current		
	Phase L1 to Grd :	<u>0.0</u> A	Phase L1 to Grd :	<u>0.0</u> A	Phase L1 to Grd :	_____ A	
	Phase L2 to Grd :	<u>0.0</u> A	Phase L2 to Grd :	<u>0.0</u> A	Phase L2 to Grd :	_____ A	
	Phase L3 to Grd :	<u>0.0</u> A	Phase L3 to Grd :	<u>0.0</u> A	Phase L3 to Grd :	_____ A	

Comment :

Alarm UN-G-V01 code Trigrid phase C = 107 volt