

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Michael Hecht Maintenance : MA Date : 24 March 2025

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
<u>Sonnax</u>	<u>SMX-D60HND-480W</u>	<u>10</u> Kwp.	<u>20</u> Panels	<u>Solis</u>	<u>RHF-3P10K-48V-50</u>	<u>110CA2228010001</u>

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection		Remark
String 1	<u>10</u> Panels	Voc <u>373.3</u> Vdc	Vmp <u>373.2</u> Vdc	Isc <u>0-0</u> A.	<u>13:00</u>	☒ Pass	☐ Not Pass	
String 2	<u>10</u> Panels	Voc <u>373.8</u> Vdc	Vmp <u>374.8</u> Vdc	Isc <u>0-0</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>10</u> Panels	Voc <u>381.6</u> Vdc	Vmp <u>381.5</u> Vdc	Isc <u>0-0</u> A.	<u>14:00</u>	☒ Pass	☐ Not Pass	
String 2	<u>10</u> Panels	Voc <u>382.6</u> Vdc	Vmp <u>381.4</u> Vdc	Isc <u>0-0</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	<u>Back up</u> <u>227.1</u> <u>234.3</u> <u>232.7</u>
	Phase L1 to Grd : <u>236.2</u> Vac	Phase L1 to Grd : _____ Vac	Phase L1 to Grd : <u>234.1</u> Vac	
	Phase L2 to Grd : <u>229.1</u> Vac	Phase L2 to Grd : _____ Vac	Phase L2 to Grd : <u>227.5</u> Vac	
	Phase L3 to Grd : <u>191.4</u> Vac	Phase L3 to Grd : _____ Vac	Phase L3 to Grd : <u>189.7</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : <u>6.70</u> A	Phase L1 to Grd : _____ A	Phase L1 to Grd : <u>0.0</u> A	
	Phase L2 to Grd : <u>0.70</u> A	Phase L2 to Grd : _____ A	Phase L2 to Grd : <u>0.0</u> A	
	Phase L3 to Grd : <u>27.10</u> A	Phase L3 to Grd : _____ A	Phase L3 to Grd : <u>0.0</u> A	

Comment :

Phase C Low Voltage (191.4 vac)