

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Villa Saan				Maintenance : MA	Date : 15 October 2025	
Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
Sonnax	SNX-D60AND-480W	40 kWp.	62 Panels	Solis	SH-GC40K	1811040244260122

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection			Remark
String 1	Panels	Vmp	<u>540.2</u> Vdc	Voc	<u>604.3</u> Vdc	Isc	<u>6.62</u> A.	<u>19:00</u>	☒ Pass ☐ Not Pass
String 2	Panels	Vmp	<u>520.6</u> Vdc	Voc	<u>603.5</u> Vdc	Isc	<u>8.01</u> A.	:	☒ Pass ☐ Not Pass
String 3	Panels	Vmp	<u>580.4</u> Vdc	Voc	<u>678.2</u> Vdc	Isc	<u>8.78</u> A.	:	☒ Pass ☐ Not Pass
String 4	Panels	Vmp	<u>378.1</u> Vdc	Voc	<u>492.0</u> Vdc	Isc	<u>6.65</u> A.	:	☒ Pass ☐ Not Pass
String 5	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 6	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 7	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 8	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 9	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 10	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 11	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 12	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass

After Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection			Remark
String 1	Panels	Vmp	<u>540.7</u> Vdc	Voc	<u>650.9</u> Vdc	Isc	<u>7.80</u> A.	<u>16:00</u>	☒ Pass ☐ Not Pass
String 2	Panels	Vmp	<u>520.6</u> Vdc	Voc	<u>650.4</u> Vdc	Isc	<u>8.90</u> A.	:	☒ Pass ☐ Not Pass
String 3	Panels	Vmp	<u>588.1</u> Vdc	Voc	<u>722.5</u> Vdc	Isc	<u>8.71</u> A.	:	☒ Pass ☐ Not Pass
String 4	Panels	Vmp	<u>382.2</u> Vdc	Voc	<u>480.7</u> Vdc	Isc	<u>5.44</u> A.	:	☒ Pass ☐ Not Pass
String 5	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 6	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 7	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 8	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 9	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 10	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 11	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass
String 12	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	:	☐ Pass ☐ Not Pass

Inverter Inspection

Device	Field Measured Readings		Readings from Inverter Display		Readings from Smarter Meter		Field Measured Back Up	
Inverter	AC Line Voltage		AC Line Voltage		AC Line Voltage		AC Line Voltage	
	Phase L1 to Grd :	<u>230.6</u> Vac.	Phase L1 to Grd :	<u>231.2</u> Vac.	Phase L1 to Grd :	<u>231.2</u> Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	<u>231.5</u> Vac.	Phase L2 to Grd :	<u>231.0</u> Vac.	Phase L2 to Grd :	<u>231.7</u> Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	<u>230.2</u> Vac.	Phase L3 to Grd :	<u>228.9</u> Vac.	Phase L3 to Grd :	<u>231.0</u> Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	<u>18.62</u> A.	Phase L1 to Grd :	<u>24.00</u> A.	Phase L1 to Grd :	<u>16.20</u> A.		
	Phase L2 to Grd :	<u>19.58</u> A.	Phase L2 to Grd :	<u>23.80</u> A.	Phase L2 to Grd :	<u>15.60</u> A.		
	Phase L3 to Grd :	<u>20.24</u> A.	Phase L3 to Grd :	<u>23.70</u> A.	Phase L3 to Grd :	<u>13.50</u> A.		

Comment :

Inspection By :

(Bunharn Library) Project Engineer

Date : / /