

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>Botanica Foresta-Motoyuki</u>			Maintenance : <u>MA</u>	Date : <u>16 October 2025</u>
Solar Panel			Inverter	
Brand	Model	Capacity	Brand	Model
<u>Eastlux</u>	<u>EL-450M9-60H</u>	<u>10</u> kWp.	<u>31</u> Panels	<u>Solis</u> <u>RHJ-3PIDK-HVGS-5G</u> <u>110CA2223020028</u>

Before Preventive Maintenance Solar System									
Solar Panels		Operating Voltage / Current				Time	Inspection		Remark
String 1	Panels Vmp	<u>431.0</u> Vdc	Voc	<u>491.3</u> Vdc	Isc <u>2.72</u> A.	<u>13:30</u>	☒ Pass	☐ Not Pass	
String 2	Panels Vmp	<u>509.2</u> Vdc	Voc	<u>590.1</u> Vdc	Isc <u>2.77</u> A.	:	☒ Pass	☐ Not Pass	
String 3	Panels Vmp	Vdc	Voc	Vdc	Isc A.	:	☐ Pass	☐ Not Pass	
String 4	Panels Vmp	Vdc	Voc	Vdc	Isc 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>420.4</u> Vdc	Voc	<u>531.7</u> Vdc	Isc <u>3.80</u> A.	<u>14:15</u>	☒ Pass	☐ Not Pass	
String 2	Panels Vmp	<u>500.4</u> Vdc	Voc	<u>643.9</u> Vdc	Isc <u>3.78</u> A.	:	☒ Pass	☐ Not Pass	
String 3	Panels Vmp	Vdc	Voc	Vdc	Isc A.	:	☐ Pass	☐ Not Pass	
String 4	Panels Vmp	Vdc	Voc	Vdc	Isc 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>232.9</u> Vac.	Phase L1 to Grd :	<u>233.8</u> Vac.	Phase L1 to Grd :	<u>233.2</u> Vac.	Phase L1 to Grd :	<u>233.8</u> Vac.	
	Phase L2 to Grd :	<u>230.6</u> Vac.	Phase L2 to Grd :	<u>230.0</u> Vac.	Phase L2 to Grd :	<u>230.8</u> Vac.	Phase L2 to Grd :	<u>230.6</u> Vac.	
	Phase L3 to Grd :	<u>234.1</u> Vac.	Phase L3 to Grd :	<u>233.2</u> Vac.	Phase L3 to Grd :	<u>234.2</u> Vac.	Phase L3 to Grd :	<u>229.2</u> Vac.	
	AC Line Current		AC Line Current		AC Line Current				
	Phase L1 to Grd :	<u>8.70</u> A.	Phase L1 to Grd :	<u>12.20</u> A.	Phase L1 to Grd :	<u>6.70</u> A.			
	Phase L2 to Grd :	<u>8.60</u> A.	Phase L2 to Grd :	<u>12.40</u> A.	Phase L2 to Grd :	<u>6.90</u> A.			
	Phase L3 to Grd :	<u>8.60</u> A.	Phase L3 to Grd :	<u>12.00</u> A.	Phase L3 to Grd :	<u>7.70</u> A.			

Comment :

Inspection By :

(Bunham Libney) Project Engineer

Date : / /