

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>Khun Nanta</u>				Maintenance : <u>MA</u>		Date : <u>10 September 2024</u>	
Solar Panel				Inverter			
Brand	Model	Capacity	Install	Brand	Model	S/N	
<u>Simax</u>	<u>SM622-400</u>	<u>10</u> Kwp.	<u>26</u> Panels	<u>Solis</u>	<u>SB-EH3P10K2-4T</u>	<u>1033061243220001</u>	

Before Preventive Maintenance Solar System									
Solar Panels		Operating Voltage / Current				Time	Inspection		Remark
String 1	<u>13</u> Panels	Voc <u>264.0</u> Vdc	Vmp <u>261.9</u> Vdc	Isc <u>3.20</u> A.	<u>16 : 10</u>	☒ Pass	☐ Not Pass		
String 2	<u>13</u> Panels	Voc <u>307.8</u> Vdc	Vmp <u>303.7</u> Vdc	Isc <u>3.27</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>269.4</u> Vdc	Vmp <u>215.6</u> Vdc	Isc <u>4.16</u> A.	<u>17 : 15</u>	☒	Pass	☐ Not Pass	
String 2	<u>13</u> Panels	Voc <u>315.7</u> Vdc	Vmp <u>307.4</u> Vdc	Isc <u>3.87</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				Remark
Device	Readings from Smarter Meter	Readings from Inverter Display	Field Measured Readings	
Inverter	AC Line Voltage		AC Line Voltage	
	Phase L1 to Grd : _____ Vac	Phase L1 to Grd : _____ Vac	Phase L1 to Grd : <u>225.1</u> Vac	
	Phase L2 to Grd : _____ Vac	Phase L2 to Grd : _____ Vac	Phase L2 to Grd : <u>218.7</u> Vac	
	Phase L3 to Grd : _____ Vac	Phase L3 to Grd : _____ Vac	Phase L3 to Grd : <u>223.2</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : _____ A	Phase L1 to Grd : _____ A	Phase L1 to Grd : <u>225.1</u> A	<u>2.19</u>
	Phase L2 to Grd : _____ A	Phase L2 to Grd : _____ A	Phase L2 to Grd : <u>218.7</u> A	<u>3.09</u>
	Phase L3 to Grd : _____ A	Phase L3 to Grd : _____ A	Phase L3 to Grd : <u>223.2</u> A	<u>2.06</u>

Comment : _____