

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Botanika Lakeside C4				Maintenance : MA		Date : 2 July 2024	
Solar Panel				Inverter			
Brand	Model	Capacity	Install	Brand	Model	S/N	
Enform	EX 480 TC	10 Kwp.	26 Panels	Solis	S5-GR3PIDK	1809060236270091	

Before Preventive Maintenance Solar System									
Solar Panels		Operating Voltage / Current				Time	Inspection		Remark
String 1	<u>13</u> Panels	Voc <u>505.4</u> Vdc	Vmp <u>420.1</u> Vdc	Isc <u>6.91</u> A.	<u>19</u> : <u>00</u>	☒ Pass	☐ Not Pass		
String 2	<u>13</u> Panels	Voc <u>511.6</u> Vdc	Vmp <u>410.7</u> Vdc	Isc <u>7.39</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>529.2</u> Vdc	Vmp <u>434.9</u> Vdc	Isc <u>3.61</u> A.	<u>16:20</u>	☒ Pass	☐ Not Pass		
String 2	<u>13</u> Panels	Voc <u>526.3</u> Vdc	Vmp <u>440.2</u> Vdc	Isc <u>3.84</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 : <u>230.4</u> Vac	Phase L1 to Grd : <u>228.1</u> Vac	Phase L1 to Grd : <u>229.9</u> Vac	
	Phase L2 to Grd : <u>231.6</u> Vac	Phase L2 to Grd : <u>233.8</u> Vac	Phase L2 to Grd : <u>230.9</u> Vac	
	Phase L3 to Grd : <u>231.4</u> Vac	Phase L3 to Grd : <u>230.7</u> Vac	Phase L3 to Grd : <u>230.7</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : <u>3.60</u> A	Phase L1 to Grd : <u>6.60</u> A	Phase L1 to Grd : <u>7.12</u> A	
	Phase L2 to Grd : <u>7.20</u> A	Phase L2 to Grd : <u>6.90</u> A	Phase L2 to Grd : <u>7.19</u> A	
	Phase L3 to Grd : <u>4.80</u> A	Phase L3 to Grd : <u>6.39</u> A	Phase L3 to Grd : <u>7.23</u> A	

Comment : _____