

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>ALois</u>				Maintenance : <u>MA</u>		Date : <u>26 March 2023</u>	
Solar Panel				Inverter			
Brand	Model	Capacity	Install	Brand	Model	S/N	
<u>Exxon</u>	<u>EX480 HBT</u>	<u>20</u> Kwp.	<u>32</u> Panels	<u>Solar</u>	<u>RAJ-3910K-14V</u>	<u>110CA2229270009</u>	

Before Preventive Maintenance Solar System									
Solar Panels	Operating Voltage / Current				Time	Inspection		Remark	
String 1	<u>16</u> Panels	Voc <u>792.0</u>	Vdc	Vmp <u>610.7</u>	Isc <u>5.93</u> A.	<u>15:00</u>	☒ Pass	☐ Not Pass	
String 2	<u>16</u> Panels	Voc <u>790</u>	Vdc	Vmp <u>619.3</u>	Isc <u>6.10</u> A.	:	☒ Pass	☐ Not Pass	
String 3	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 4	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 5	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 6	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 7	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 8	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 9	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 10	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 11	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 12	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	

After Preventive Maintenance Solar System									
Solar Panels	Operating Voltage / Current				Time	Inspection		Remark	
String 1	<u>16</u> Panels	Voc <u>765.0</u>	Vdc	Vmp <u>623.0</u>	Isc <u>6.85</u> A.	<u>16:00</u>	☒ Pass	☐ Not Pass	
String 2	<u>16</u> Panels	Voc <u>788.0</u>	Vdc	Vmp <u>629.0</u>	Isc <u>6.82</u> A.	:	☒ Pass	☐ Not Pass	
String 3	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 4	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 5	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 6	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 7	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 8	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 9	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 10	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 11	_____ Panels	Voc _____	Vdc	Vmp _____	Isc _____ A.	:	☐ Pass	☐ Not Pass	
String 12	_____ Panels	Voc _____	Vdc	Vmp _____	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		AC Line Voltage
	Phase L1 to Grd : <u>229.9</u> Vac	Phase L1 to Grd : <u>229.3</u> Vac	Phase L1 to Grd : <u>229.6</u> Vac		
	Phase L2 to Grd : <u>222.2</u> Vac	Phase L2 to Grd : <u>223.2</u> Vac	Phase L2 to Grd : <u>222.3</u> Vac		
	Phase L3 to Grd : <u>229.8</u> Vac	Phase L3 to Grd : <u>229.4</u> Vac	Phase L3 to Grd : <u>231.1</u> Vac		
	AC Line Current		AC Line Current		AC Line Current
	Phase L1 to Grd : <u>5.05</u> A	Phase L1 to Grd : <u>5.00</u> A	Phase L1 to Grd : <u>5.83</u> A		
	Phase L2 to Grd : <u>5.27</u> A	Phase L2 to Grd : <u>5.10</u> A	Phase L2 to Grd : <u>4.76</u> A		
	Phase L3 to Grd : <u>5.14</u> A	Phase L3 to Grd : <u>5.00</u> A	Phase L3 to Grd : <u>4.44</u> A		

Comment : _____