

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Evelina Wang Maintenance : MA Date : 12 July 2024

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
Exxon	EX480TC	Kwp.	Panels	818	85-GR3P5K	100502021B190369

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current				Time	Inspection		Remark	
String 1	<u>6</u> Panels	Voc <u>234.2</u>	Vdc	Vmp <u>203.3</u>	Vdc	Isc <u>2.11</u>	A.	<u>12 : 15</u>	☒ Pass ☐ Not Pass	<u>ok</u>
String 2	<u>6</u> Panels	Voc <u>232.8</u>	Vdc	Vmp <u>202.6</u>	Vdc	Isc <u>2.04</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>6</u> Panels	Voc <u>228.9</u>	Vdc	Vmp <u>183.0</u>	Vdc	Isc <u>1.97</u>	A.	<u>13 : 15</u>	☒ Pass ☐ Not Pass	<u>ok</u>
String 2	<u>6</u> Panels	Voc <u>228.9</u>	Vdc	Vmp <u>190.5</u>	Vdc	Isc <u>1.94</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

Device	Readings from Smarter Meter		Readings from Inverter Display	Field Measured Readings		Remark
Inverter	AC Line Voltage		AC Line Voltage	AC Line Voltage		
	Phase L1 to Grd :	<u>232.4</u> Vac	Phase L1 to Grd :	<u>234.7</u> Vac	Phase L1 to Grd :	<u>231.2</u> Vac
	Phase L2 to Grd :	<u>229.3</u> Vac	Phase L2 to Grd :	<u>227.2</u> Vac	Phase L2 to Grd :	<u>228.5</u> Vac
	Phase L3 to Grd :	<u>234.0</u> Vac	Phase L3 to Grd :	<u>235.2</u> Vac	Phase L3 to Grd :	<u>233.1</u> Vac
	AC Line Current		AC Line Current	AC Line Current		
	Phase L1 to Grd :	<u>5.60</u> A	Phase L1 to Grd :	<u>0.9</u> A	Phase L1 to Grd :	<u>0.75</u> A
	Phase L2 to Grd :	<u>6.00</u> A	Phase L2 to Grd :	<u>1.0</u> A	Phase L2 to Grd :	<u>0.80</u> A
	Phase L3 to Grd :	<u>2.60</u> A	Phase L3 to Grd :	<u>0.9</u> A	Phase L3 to Grd :	<u>0.75</u> A

Comment : _____