

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>SC Food</u>				Maintenance : <u>MA</u>	Date : <u>18 October 2019</u>
Solar Panel				Inverter	
Brand	Model	Capacity	Install	Brand	Model S/N
<u>Eastas</u>	<u>EL-400M-60H</u>	<u>20</u> kWp.	<u>40</u> Panels	<u>Solis</u>	<u>35-GR3P20K 180503022A040086</u>

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current					Time	Inspection		Remark
String 1	Panels	Vmp	Vdc	Voc	Isc				
		<u>309.3</u>		<u>349.8</u>	<u>9.94</u> A.	<u>11:19</u>	☒	Pass	Not Pass
String 2	Panels	Vmp	Vdc	Voc	Isc				
		<u>312.6</u>		<u>349.9</u>	<u>9.50</u> A.	:	☒	Pass	Not Pass
String 3	Panels	Vmp	Vdc	Voc	Isc				
		<u>308.2</u>		<u>346.3</u>	<u>9.77</u> A.	:	☒	Pass	Not Pass
String 4	Panels	Vmp	Vdc	Voc	Isc				
		<u>310.6</u>		<u>346.3</u>	<u>9.75</u> A.	:	☒	Pass	Not Pass
String 5	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 6	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 7	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 8	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 9	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 10	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 11	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 12	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass

After Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current					Time	Inspection		Remark
String 1	Panels	Vmp	Vdc	Voc	Isc				
		<u>300.4</u>		<u>379.4</u>	<u>6.90</u> A.	<u>12:00</u>	☒	Pass	Not Pass
String 2	Panels	Vmp	Vdc	Voc	Isc				
		<u>301.3</u>		<u>375.7</u>	<u>6.70</u> A.	:	☒	Pass	Not Pass
String 3	Panels	Vmp	Vdc	Voc	Isc				
		<u>300.9</u>		<u>379.9</u>	<u>6.60</u> A.	:	☒	Pass	Not Pass
String 4	Panels	Vmp	Vdc	Voc	Isc				
		<u>300.8</u>		<u>379.7</u>	<u>6.90</u> A.	:	☒	Pass	Not Pass
String 5	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 6	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 7	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 8	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 9	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 10	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 11	Panels	Vmp	Vdc	Voc	Isc				
					A.	:	☐	Pass	Not Pass
String 12	Panels	Vmp	Vdc	Voc	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>229.8</u>	Vac.	Phase L1 to Grd :	<u>229.1</u>	Vac.	Phase L1 to Grd :	<u>229.8</u>
	Phase L2 to Grd :	<u>217.9</u>	Vac.	Phase L2 to Grd :	<u>219.5</u>	Vac.	Phase L2 to Grd :	<u>217.6</u>
	Phase L3 to Grd :	<u>222.1</u>	Vac.	Phase L3 to Grd :	<u>223.3</u>	Vac.	Phase L3 to Grd :	<u>222.2</u>
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	<u>9.44</u>	A.	Phase L1 to Grd :	<u>9.40</u>	A.	Phase L1 to Grd :	<u>4.60</u>
	Phase L2 to Grd :	<u>10.61</u>	A.	Phase L2 to Grd :	<u>9.60</u>	A.	Phase L2 to Grd :	<u>28.20</u>
	Phase L3 to Grd :	<u>10.45</u>	A.	Phase L3 to Grd :	<u>9.30</u>	A.	Phase L3 to Grd :	<u>24.60</u>

Comment :

Inspection By :

(Bunham Libany) Project Engineer

Date : / /