

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : IDC #2 Maintenance : MA Date : 1 July 2024

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
<u>Ecoflux</u>	<u>EL-450M5-60H</u>	<u>10</u> Kwp.	<u>24</u> Panels	<u>Solis</u>	<u>3P10K-4G</u>	<u>1107A2216070015</u>

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection		Remark
String 1	<u>12</u> Panels	Voc <u>402.2</u> Vdc	Vmp <u>359.7</u> Vdc	Isc <u>10.20</u> A.	<u>10:20</u>	☒ Pass	☐ Not Pass	
String 2	<u>12</u> Panels	Voc <u>381.9</u> Vdc	Vmp <u>386.2</u> Vdc	Isc <u>9.79</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>12</u> Panels	Voc <u>432.2</u> Vdc	Vmp <u>354.2</u> Vdc	Isc <u>10.03</u> A.	<u>11:40</u>	☒ Pass	☐ Not Pass	
String 2	<u>12</u> Panels	Voc _____ Vdc	Vmp <u>392.3</u> Vdc	Isc <u>9.79</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	
	Phase L1 to Grd : <u>231.2</u> Vac	Phase L1 to Grd : <u>230.2</u> Vac	Phase L1 to Grd : <u>230.2</u> Vac	
	Phase L2 to Grd : <u>222.3</u> Vac	Phase L2 to Grd : <u>232.2</u> Vac	Phase L2 to Grd : <u>221.8</u> Vac	
	Phase L3 to Grd : <u>224.1</u> Vac	Phase L3 to Grd : <u>224.8</u> Vac	Phase L3 to Grd : <u>224.3</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : <u>6.90</u> A	Phase L1 to Grd : <u>9.7</u> A	Phase L1 to Grd : <u>8.88</u> A	
	Phase L2 to Grd : <u>11.10</u> A	Phase L2 to Grd : <u>9.4</u> A	Phase L2 to Grd : <u>9.10</u> A	
	Phase L3 to Grd : <u>9.10</u> A	Phase L3 to Grd : <u>9.4</u> A	Phase L3 to Grd : <u>8.92</u> A	

Comment :