

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>Jean Paul</u>				Maintenance : <u>MA</u>	Date : <u>10 September 2024</u>
Solar Panel				Inverter	
Brand	Model	Capacity	Install	Brand	Model
<u>Envirom</u>	<u>EX 480HJT</u>	<u>40</u> Kwp.	<u>104</u> Panels	<u>Solis</u>	

Before Preventive Maintenance Solar System						
Solar Panels	Operating Voltage / Current			Time	Inspection	Remark
String 1	Panels Voc <u>469.7</u> Vdc Vmp <u>375.0</u> Vdc Isc <u>9.18</u> A.			<u>11:30</u>	☒ Pass ☐ Not Pass	
String 2	Panels Voc <u>472.2</u> Vdc Vmp <u>374.2</u> Vdc Isc <u>9.20</u> A.			:	☒ Pass ☐ Not Pass	
String 3	Panels Voc <u>468.1</u> Vdc Vmp <u>363.5</u> Vdc Isc <u>9.82</u> A.			:	☒ Pass ☐ Not Pass	
String 4	Panels Voc <u>471.1</u> Vdc Vmp <u>364.5</u> Vdc Isc <u>9.62</u> A.			:	☒ Pass ☐ Not Pass	
String 5	Panels Voc <u>455.0</u> Vdc Vmp <u>361.0</u> Vdc Isc <u>9.76</u> A.			:	☒ Pass ☐ Not Pass	
String 6	Panels Voc <u>457.0</u> Vdc Vmp <u>364.5</u> Vdc Isc <u>9.52</u> A.			:	☒ Pass ☐ Not Pass	
String 7	Panels Voc <u>455.0</u> Vdc Vmp <u>390.6</u> Vdc Isc <u>9.96</u> A.			:	☒ Pass ☐ Not Pass	
String 8	Panels Voc <u>454.0</u> Vdc Vmp <u>390.4</u> Vdc Isc <u>9.49</u> 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	Panels Voc <u>468.4</u> Vdc Vmp <u>378.6</u> Vdc Isc <u>9.41</u> A.			<u>13:45</u>	☒ Pass ☐ Not Pass	
String 2	Panels Voc <u>479.2</u> Vdc Vmp <u>417.1</u> Vdc Isc <u>9.20</u> A.			:	☒ Pass ☐ Not Pass	
String 3	Panels Voc <u>466.4</u> Vdc Vmp <u>399.7</u> Vdc Isc <u>2.89</u> A.			:	☒ Pass ☐ Not Pass	
String 4	Panels Voc <u>482.2</u> Vdc Vmp <u>407.4</u> Vdc Isc <u>2.24</u> A.			:	☒ Pass ☐ Not Pass	
String 5	Panels Voc <u>452.0</u> Vdc Vmp <u>302.1</u> Vdc Isc <u>1.79</u> A.			:	☒ Pass ☐ Not Pass	
String 6	Panels Voc <u>459.0</u> Vdc Vmp <u>378.2</u> Vdc Isc <u>2.26</u> A.			:	☒ Pass ☐ Not Pass	
String 7	Panels Voc <u>452.0</u> Vdc Vmp <u>394.5</u> Vdc Isc <u>2.28</u> A.			:	☒ Pass ☐ Not Pass	
String 8	Panels Voc <u>451.0</u> Vdc Vmp <u>385.4</u> Vdc Isc <u>6.86</u> 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>228.6</u> Vac	Phase L1 to Grd : <u>226.3</u> Vac	Phase L1 to Grd : <u>226.4</u> Vac	
	Phase L2 to Grd : <u>226.4</u> Vac	Phase L2 to Grd : <u>224.8</u> Vac	Phase L2 to Grd : <u>228.7</u> Vac	
	Phase L3 to Grd : <u>224.3</u> Vac	Phase L3 to Grd : <u>226.7</u> Vac	Phase L3 to Grd : <u>224.3</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : <u>18.2</u> A	Phase L1 to Grd : <u>12.3</u> A	Phase L1 to Grd : <u>11.78</u> A	
	Phase L2 to Grd : <u>19.20</u> A	Phase L2 to Grd : <u>12.1</u> A	Phase L2 to Grd : <u>11.20</u> A	
	Phase L3 to Grd : <u>17.40</u> A	Phase L3 to Grd : <u>12.4</u> A	Phase L3 to Grd : <u>12.02</u> A	

Comment : 9/10/2024 3012 208 07