

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Batamika Modern Loft M30 Maintenance : MA Date : 19 October 2024

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
<u>Sonnax</u>	<u>80X-DROHND-480M</u>	<u>10</u> Kwp.	<u>25</u> Panels	<u>Solis</u>	<u>SH-GR3P10K</u>	<u>1805060236270029</u>

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current				Time	Inspection		Remark
String 1	<u>13</u> Panels	Voc <u>486.4</u> Vdc	Vmp <u>471.5</u> Vdc	Isc <u>4.44</u> A.	<u>14:30</u>	☒ Pass	☐ Not Pass	
String 2	<u>12</u> Panels	Voc <u>525.1</u> Vdc	Vmp <u>440.7</u> Vdc	Isc <u>4.24</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>13</u> Panels	Voc <u>496.9</u> Vdc	Vmp <u>488.8</u> Vdc	Isc <u>4.47</u> A.	<u>19:30</u>	☒ Pass	☐ Not Pass	<u>alasan</u>
String 2	<u>12</u> Panels	Voc <u>499.6</u> Vdc	Vmp <u>475.1</u> Vdc	Isc <u>4.30</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>234.8</u> Vac	Phase L1 to Grd : <u>234.3</u> Vac	Phase L1 to Grd : <u>233.4</u> Vac	
	Phase L2 to Grd : <u>237.4</u> Vac	Phase L2 to Grd : <u>236.7</u> Vac	Phase L2 to Grd : <u>234.2</u> Vac	
	Phase L3 to Grd : <u>236.1</u> Vac	Phase L3 to Grd : <u>235.9</u> Vac	Phase L3 to Grd : <u>234.8</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : <u>3.60</u> A	Phase L1 to Grd : <u>4.0</u> A	Phase L1 to Grd : <u>3.84</u> A	
	Phase L2 to Grd : <u>2.70</u> A	Phase L2 to Grd : <u>3.9</u> A	Phase L2 to Grd : <u>3.92</u> A	
	Phase L3 to Grd : <u>0.90</u> A	Phase L3 to Grd : <u>3.8</u> A	Phase L3 to Grd : <u>3.95</u> A	

Comment :

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