

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Pangtiao Prime Lodge (Vinzita) Maintenance : MA Date : 31 August 2024

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
<u>CX100M</u>	<u>EX480AJT</u>	<u>10</u> Kwp.	<u>26</u> Panels	<u>Goodrive</u>	<u>GR10K-GT</u>	<u>9010KGTU228W2915</u>

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current					Time	Inspection		Remark
String 1	<u>13</u> Panels	Voc <u>611.2</u>	Vdc	Vmp <u>487.0</u>	Vdc	Isc <u>2.50</u> A.	<u>10</u> : <u>30</u>	☐ Pass ☐ Not Pass	
String 2	<u>13</u> Panels	Voc <u>613.6</u>	Vdc	Vmp <u>488.0</u>	Vdc	Isc <u>2.16</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>611.8</u>	Vdc	Vmp <u>512.0</u>	Vdc	Isc <u>4.86</u> A.	<u>11</u> : <u>30</u>	☐ Pass ☐ Not Pass	<u>21082024</u>
String 2	<u>13</u> Panels	Voc <u>607.3</u>	Vdc	Vmp <u>609.0</u>	Vdc	Isc <u>0.89</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				Remark
Device	Readings from Smarter Meter	Readings from Inverter Display	Field Measured Readings	
Inverter	AC Line Voltage		AC Line Voltage	
	Phase L1 to Grd : _____ Vac	Phase L1 to Grd : _____ Vac	Phase L1 to Grd : <u>231.3</u> Vac	
	Phase L2 to Grd : _____ Vac	Phase L2 to Grd : _____ Vac	Phase L2 to Grd : <u>231.3</u> Vac	
	Phase L3 to Grd : _____ Vac	Phase L3 to Grd : _____ Vac	Phase L3 to Grd : <u>231.3</u> Vac	
	AC Line Current		AC Line Current	
	Phase L1 to Grd : _____ A	Phase L1 to Grd : _____ A	Phase L1 to Grd : <u>11.04</u> A	
	Phase L2 to Grd : _____ A	Phase L2 to Grd : _____ A	Phase L2 to Grd : <u>11.04</u> A	
	Phase L3 to Grd : _____ A	Phase L3 to Grd : _____ A	Phase L3 to Grd : <u>11.23</u> A	

Comment : _____