

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>Craig Morgan</u>				Maintenance : <u>MA</u>		Date : <u>11 November 2023</u>	
Solar Panel				Inverter			
Brand	Model	Capacity	Install	Brand	Model	S/N	
<u>Sonnax</u>	<u>SMA-D60HND-480M</u>	<u>5</u> kWp.	<u>14</u> Panels	<u>Solis</u>	<u>Sb-GRIP5K</u>		

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection			Remark		
String 1	Panels	Vmp	271.9	Vdc	Voc	321.7	Vdc	Isc	4.60 A.	10 : 00	✓	Pass	Not Pass	
String 2	Panels	Vmp	270.2	Vdc	Voc	320.4	Vdc	Isc	4.64 A.	:	✓	Pass	Not Pass	
String 3	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 4	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 5	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 6	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 7	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 8	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 9	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 10	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 11	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	
String 12	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass	Not Pass	

After Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection			Remark		
String 1	Panels	Vmp	263.4	Vdc	Voc	317.4	Vdc	Isc	5.97 A.	11:00	✓	Pass		Not Pass
String 2	Panels	Vmp	260.8	Vdc	Voc	318.9	Vdc	Isc	5.78 A.	:	✓	Pass		Not Pass
String 3	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 4	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 5	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 6	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 7	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 8	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 9	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 10	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 11	Panels	Vmp		Vdc	Voc		Vdc	Isc	A.	:		Pass		Not Pass
String 12	Panels	Vmp		Vdc	Voc		Vdc	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 :	231.2 Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	10.90 A.	Phase L1 to Grd :	A.	Phase L1 to Grd :	A.		
	Phase L2 to Grd :	A.	Phase L2 to Grd :	A.	Phase L2 to Grd :	A.		
	Phase L3 to Grd :	A.	Phase L3 to Grd :	A.	Phase L3 to Grd :	A.		

Comment : _____

Inspection By :

(Bunham Libroy) Project Engineer

Date : ____/____/____