

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :		Pungyisa Plot 6		Maintenance :	MA	Date :	11 September 2023	
Solar Panel				Inverter				
Brand	Model		Capacity	Install	Brand	Model		S/N
Sonnax	SNX-D60HND-480W		40 kWp.	109 Panels	Solis	SG-6040K		1811040247030005

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection			Remark		
String 1	Panels	Vmp	671.1	Vdc	Voc	572.0	Vdc	Isc	4.28 A.	13:15	✓	Pass	Not Pass	
String 2	Panels	Vmp	671.0	Vdc	Voc	588.5	Vdc	Isc	4.18 A.	:	✓	Pass	Not Pass	
String 3	Panels	Vmp	589.8	Vdc	Voc	501.8	Vdc	Isc	3.86 A.	:	✓	Pass	Not Pass	
String 4	Panels	Vmp	671.0	Vdc	Voc	576.3	Vdc	Isc	4.20 A.	:	✓	Pass	Not Pass	
String 5	Panels	Vmp	671.0	Vdc	Voc	547.0	Vdc	Isc	3.64 A.	:	✓	Pass	Not Pass	
String 6	Panels	Vmp	192.0	Vdc	Voc	159.8	Vdc	Isc	4.20 A.	:	✓	Pass	Not Pass	
String 7	Panels	Vmp	287.3	Vdc	Voc	261.8	Vdc	Isc	4.46 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	660.3	Vdc	Voc	572.9	Vdc	Isc	5.60 A.	14:30	✓	Pass	Not Pass	
String 2	Panels	Vmp	662.1	Vdc	Voc	589.4	Vdc	Isc	4.28 A.	:	✓	Pass	Not Pass	
String 3	Panels	Vmp	599.1	Vdc	Voc	500.1	Vdc	Isc	4.00 A.	:	✓	Pass	Not Pass	
String 4	Panels	Vmp	662.7	Vdc	Voc	576.4	Vdc	Isc	5.40 A.	:	✓	Pass	Not Pass	
String 5	Panels	Vmp	667.4	Vdc	Voc	542.6	Vdc	Isc	3.00 A.	:	✓	Pass	Not Pass	
String 6	Panels	Vmp	186.6	Vdc	Voc	152.3	Vdc	Isc	4.75 A.	:	✓	Pass	Not Pass	
String 7	Panels	Vmp	279.3	Vdc	Voc	296.4	Vdc	Isc	4.86 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 :	232.7	Vac.	Phase L1 to Grd :	233.2	Vac.	Phase L1 to Grd :	233.1	Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	232.1	Vac.	Phase L2 to Grd :	233.1	Vac.	Phase L2 to Grd :	232.7	Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	232.9	Vac.	Phase L3 to Grd :	232.5	Vac.	Phase L3 to Grd :	233.7	Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current						
	Phase L1 to Grd :	13.84	A.	Phase L1 to Grd :	13.60	A.	Phase L1 to Grd :	17.10	A.		
	Phase L2 to Grd :	13.77	A.	Phase L2 to Grd :	14.90	A.	Phase L2 to Grd :	19.00	A.		
	Phase L3 to Grd :	13.88	A.	Phase L3 to Grd :	13.80	A.	Phase L3 to Grd :	14.70	A.		

Comment :

Inspection By :

(Bunharn Library) Project Engineer

Date : / /