

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name:	Maiham Baamba P21	Maintenance:	MA	Date:	4 August 2023
Solar Panel		Inverter			
Brand	Model	Capacity	Install	Brand	Model
Sonnax	SNX-D60HNP-600M 20	kWp. 54	Panels	Solis	26-GH3P20K-H
		S/N 103316024A290309			

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current						Time	Inspection		Remark
String 1	Panels	Vmp 482.1	Vdc	Voc 540.6	Vdc	Isc 7.97 A.	10:30	✓	Pass	Not Pass
String 2	Panels	Vmp 450.5	Vdc	Voc 546.7	Vdc	Isc 9.31 A.	:	✓	Pass	Not Pass
String 3	Panels	Vmp 434.9	Vdc	Voc 507.6	Vdc	Isc 7.06 A.	:	✓	Pass	Not Pass
String 4	Panels	Vmp 420.6	Vdc	Voc 506.4	Vdc	Isc 10.63 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 483.4	Vdc	Voc 580.1	Vdc	Isc 8.51 A.	11:45	✓	Pass	Not Pass
String 2	Panels	Vmp 490.5	Vdc	Voc 581.4	Vdc	Isc 9.68 A.	:	✓	Pass	Not Pass
String 3	Panels	Vmp 438.2	Vdc	Voc 528.5	Vdc	Isc 10.50 A.	:	✓	Pass	Not Pass
String 4	Panels	Vmp 427.6	Vdc	Voc 520.7	Vdc	Isc 10.75 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 :	228.9	Vac. Phase L1 to Grd :	229.0	Vac. Phase L1 to Grd :	229.7	Vac. Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	227.4	Vac. Phase L2 to Grd :	229.7	Vac. Phase L2 to Grd :	228.0	Vac. Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	229.5	Vac. Phase L3 to Grd :	230.6	Vac. Phase L3 to Grd :	230.6	Vac. Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	6.95	A. Phase L1 to Grd :	8.20	A. Phase L1 to Grd :	3.00	A.	
	Phase L2 to Grd :	18.09	A. Phase L2 to Grd :	8.20	A. Phase L2 to Grd :	6.50	A.	
	Phase L3 to Grd :	13.60	A. Phase L3 to Grd :	8.60	A. Phase L3 to Grd :	2.70	A.	

Comment :

Inspection By :

(Bunham Libney) Project Engineer

Date : / /