

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>Naam & Ryan</u>				Maintenance : <u>MA</u>	Date : <u>28 October 2023</u>
Solar Panel				Inverter	
Brand	Model	Capacity	Install	Brand	Model
<u>Gamko</u>	<u>AKA 480M</u>	<u>10</u> kWp.	<u>30</u> Panels	<u>Selips</u>	<u>3P10K-4G</u>
				S/N	
				<u>1117A 2211040013</u>	

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection			Remark				
String 1	14 Panels	Vmp	509.0	Vdc	Voc	438.4	Vdc	Isc	1.81	A.	11:49	✓	Pass		Not Pass	
String 2	14 Panels	Vmp	544.7	Vdc	Voc	473.2	Vdc	Isc	1.79	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	14	Panels	Vmp	523.5	Vdc	Voc	418.5	Vdc	Isc	2.50	A.	12:30	✓	Pass		Not Pass	
String 2	14	Panels	Vmp	546.1	Vdc	Voc	412.6	Vdc	Isc	2.65	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 :	<u>927.9</u>	Vac.	Phase L1 to Grd :	<u>927.9</u>	Vac.	Phase L1 to Grd :	<u>927.1</u>
	Phase L2 to Grd :	<u>926.3</u>	Vac.	Phase L2 to Grd :	<u>925.3</u>	Vac.	Phase L2 to Grd :	<u>927.4</u>
	Phase L3 to Grd :	<u>927.7</u>	Vac.	Phase L3 to Grd :	<u>929.5</u>	Vac.	Phase L3 to Grd :	<u>925.3</u>
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	<u>2.90</u>	A.	Phase L1 to Grd :	<u>1.70</u>	A.	Phase L1 to Grd :	<u>1.90</u>
	Phase L2 to Grd :	<u>4.70</u>	A.	Phase L2 to Grd :	<u>1.70</u>	A.	Phase L2 to Grd :	<u>1.55</u>
	Phase L3 to Grd :	<u>9.80</u>	A.	Phase L3 to Grd :	<u>1.70</u>	A.	Phase L3 to Grd :	<u>1.90</u>

Comment : _____

Inspection By :

(Bunham Libroy) Project Engineer

Date : ____/____/____