

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :		Khun Tum			Maintenance :		MA		Date :		10 September 2023		
Solar Panel					Inverter								
Brand	Model		Capacity		Install	Brand	Model		S/N				
Ganeko	GKA 144M490		10 kWp.		18 Panels	Solis	3P10K-4G		1107A2216070013				

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current						Time	Inspection		Remark
String 1	9 Panels	Vmp 300.4	Vdc	Voc 371.6	Vdc	Isc 8.84 A.	10:30	✓	Pass	Not Pass
String 2	9 Panels	Vmp 286.7	Vdc	Voc 366.4	Vdc	Isc 4.90 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	9 Panels	Vmp 324.5	Vdc	Voc 403.8	Vdc	Isc 9.18 A.	11:00	✓	Pass	Not Pass
String 2	9 Panels	Vmp 319.2	Vdc	Voc 401.8	Vdc	Isc 8.93 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 :	236.8	Vac. Phase L1 to Grd :	238.9	Vac. Phase L1 to Grd :	237.6	Vac. Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	238.0	Vac. Phase L2 to Grd :	239.0	Vac. Phase L2 to Grd :	238.0	Vac. Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	236.8	Vac. Phase L3 to Grd :	237.8	Vac. Phase L3 to Grd :	236.8	Vac. Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	3.39	A. Phase L1 to Grd :	2.60	A. Phase L1 to Grd :	2.10	A.	
	Phase L2 to Grd :	6.60	A. Phase L2 to Grd :	2.50	A. Phase L2 to Grd :	1.80	A.	
	Phase L3 to Grd :	6.99	A. Phase L3 to Grd :	2.60	A. Phase L3 to Grd :	2.40	A.	

Comment :

Inspection By :

(Bunham Library iProject Engineer

Date : / /