

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :	Anchan Tropicana V. 4	Maintenance :	MA	Date :	1 August 2025
Solar Panel		Inverter			
Brand	Model	Capacity	Install	Brand	Model
		kWp.	Panels	2013	35-GR3P10K
				S/N	
				1809060232180092	

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current					Time	Inspection			Remark					
String 1	Panels	Vmp	440.0	Vdc	Voc	472.4	Vdc	Isc	4.82	A.	11 : 30	✓	Pass		Not Pass	
String 2	Panels	Vmp	436.1	Vdc	Voc	471.8	Vdc	Isc	5.21	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	446.3	Vdc	Voc	506.3	Vdc	Isc	5.62 A.	12 : 15	✓	Pass		Not Pass	
String 2	Panels	Vmp	446.8	Vdc	Voc	503.9	Vdc	Isc	5.44 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 :	228.7	Vac.	Phase L1 to Grd :	230.7	Vac.	Phase L1 to Grd :	229.8
	Phase L2 to Grd :	228.0	Vac.	Phase L2 to Grd :	229.5	Vac.	Phase L2 to Grd :	229.4
	Phase L3 to Grd :	226.3	Vac.	Phase L3 to Grd :	228.6	Vac.	Phase L3 to Grd :	222.2
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	6.26	A.	Phase L1 to Grd :	12.40	A.	Phase L1 to Grd :	3.60
	Phase L2 to Grd :	7.19	A.	Phase L2 to Grd :	11.60	A.	Phase L2 to Grd :	3.00
	Phase L3 to Grd :	10.21	A.	Phase L3 to Grd :	10.10	A.	Phase L3 to Grd :	4.80

Comment :

Inspection By :

(Bunham Libnor) Project Engineer

Date : / /