

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Bill Barnet - Laguna Maintenance : MA Date : 18 September 2025

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
Sonnax	80X-D60HMD-480W	20 kWp.	26 Panels	Solaris	SGR3P20W	18060B0236180034

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection			Remark				
String 1	Panels	Vmp	494.4	Vdc	Voc	541.7	Vdc	Isc	2.10	A.	13:00	✓	Pass		Not Pass	
String 2	Panels	Vmp	446.1	Vdc	Voc	536.8	Vdc	Isc	2.80	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	432.7	Vdc	Voc	556.2	Vdc	Isc	2.80 A.	13:49	✓	Pass		Not Pass	
String 2	Panels	Vmp	437.2	Vdc	Voc	554.1	Vdc	Isc	2.50 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 :	228-0 Vac.	Phase L1 to Grd :	227.6 Vac.	Phase L1 to Grd :	232.1 Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	227.5 Vac.	Phase L2 to Grd :	227.9 Vac.	Phase L2 to Grd :	229.3 Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	228.7 Vac.	Phase L3 to Grd :	228.8 Vac.	Phase L3 to Grd :	230.0 Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	2.50 A.	Phase L1 to Grd :	2.20 A.	Phase L1 to Grd :	6.80 A.		
	Phase L2 to Grd :	2.80 A.	Phase L2 to Grd :	2.40 A.	Phase L2 to Grd :	6.70 A.		
	Phase L3 to Grd :	2.40 A.	Phase L3 to Grd :	2.40 A.	Phase L3 to Grd :	6.50 A.		

Comment :

Inspection By :

(Bunham Libney) Project Engineer

Date : / /