

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Botanica Foresta A03				Maintenance : MA		Date : 28 April 2025	
Solar Panel				Inverter			
Brand	Model	Capacity	Install	Brand	Model	S/N	
Conmax	SNX-D60HND-480W	20 kWp.	31 Panels	Solis	SB-CA3P2012-ND-1A	1333160249100196	

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current					Time	Inspection		Remark
String 1	15 Panels	Vmp 522.0	Vdc Voc 590.6	Vdc	Isc 2.50 A.	12:00	✓	Pass	Not Pass
String 2	16 Panels	Vmp 586.5	Vdc Voc 631.0	Vdc	Isc 2.10 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	15 Panels	Vmp 480.9	Vdc Voc 591.2	Vdc	Isc 1.90 A.	12:50	✓	Pass	Not Pass
String 2	16 Panels	Vmp 591.2	Vdc Voc 641.2	Vdc	Isc 1.71 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	
	Phase L1 to Grd : 233.1	Vac. Phase L1 to Grd :	Vac. Phase L1 to Grd :	Vac. Phase L1 to Grd :
	Phase L2 to Grd : 233.2	Vac. Phase L2 to Grd :	Vac. Phase L2 to Grd :	Vac. Phase L2 to Grd :
	Phase L3 to Grd : 233.3	Vac. Phase L3 to Grd :	Vac. Phase L3 to Grd :	Vac. Phase L3 to Grd :
	AC Line Current		AC Line Current	
	Phase L1 to Grd : 13.29	A. Phase L1 to Grd :	A. Phase L1 to Grd :	A.
	Phase L2 to Grd : 14.01	A. Phase L2 to Grd :	A. Phase L2 to Grd :	A.
	Phase L3 to Grd : 13.44	A. Phase L3 to Grd :	A. Phase L3 to Grd :	A.

Comment :

Inspection By :

(Bunharn Libroy) Project Engineer

Date : / /