

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :	Botanica Foresta D32	Maintenance :	MA	Date :	11 November 2023
Solar Panel			Inverter		
Brand	Model	Capacity	Install	Brand	Model
		kWp.	Panels	Solis	SB-EH3P20K-12
				S/N	10331624A2A0209

Before Preventive Maintenance Solar System															
Solar Panels	Operating Voltage / Current					Time	Inspection		Remark						
String 1	Panels	Vmp	432.3	Vdc	Voc	478.7	Vdc	Isc	10.60A	14:00	✓	Pass		Not Pass	
String 2	Panels	Vmp	421.6	Vdc	Voc	486.7	Vdc	Isc	8.64 A.	:	✓	Pass		Not Pass	
String 3	Panels	Vmp	339.3	Vdc	Voc	380.9	Vdc	Isc	9.36 A.	:	✓	Pass		Not Pass	
String 4	Panels	Vmp	330.4	Vdc	Voc	386.4	Vdc	Isc	9.00 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	462.1	Vdc	Voc	486.9	Vdc	Isc	10.40A	15:00	✓	Pass		Not Pass	
String 2	Panels	Vmp	389.1	Vdc	Voc	488.4	Vdc	Isc	9.36 A.	:	✓	Pass		Not Pass	
String 3	Panels	Vmp	524.4	Vdc	Voc	593.7	Vdc	Isc	9.04A	:	✓	Pass		Not Pass	
String 4	Panels	Vmp	343.9	Vdc	Voc	392.4	Vdc	Isc	9.39 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 :	226.7	Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	228.7	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	229.3	Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current						
	Phase L1 to Grd :	7.60	A.	Phase L1 to Grd :	A.	Phase L1 to Grd :	A.	Phase L1 to Grd :	A.
	Phase L2 to Grd :	8.20	A.	Phase L2 to Grd :	A.	Phase L2 to Grd :	A.	Phase L2 to Grd :	A.
Phase L3 to Grd :	6.20	A.	Phase L3 to Grd :	A.	Phase L3 to Grd :	A.	Phase L3 to Grd :	A.	

Comment : _____

Inspection By : _____
 (Bunham Library) Project Engineer
 Date : ____ / ____ / ____