

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :	Prudent Builders	Maintenance :	MA	Date :	10 September 2025
Solar Panel		Inverter			
Brand	Model	Capacity	Install	Brand	Model
Commax	SNX-D60HMD 480W	kWp. 39 Panels		Solis	35-GR1P10K 1804030247050382

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current					Time	Inspection		Remark
String 1	Panels	Vmp 490.2	Vdc 902.8	Vdc	Isc 4.1	A. 11:30	✓	Pass	Not Pass
String 2	Panels	Vmp 428.3	Vdc 909.5	Vdc	Isc 4.7	A. :	✓	Pass	Not Pass
String 3	Panels	Vmp 492.3	Vdc 428.9	Vdc	Isc 2.8	A. :	✓	Pass	Not Pass
String 4	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 5	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 6	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 7	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 8	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 9	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 10	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 11	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 12	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass

After Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current					Time	Inspection		Remark
String 1	Panels	Vmp 466.4	Vdc 949.9	Vdc	Isc	A. 12:30	✓	Pass	Not Pass
String 2	Panels	Vmp 446.3	Vdc 942.9	Vdc	Isc	A. :	✓	Pass	Not Pass
String 3	Panels	Vmp 460.6	Vdc 439.6	Vdc	Isc	A. :		Pass	Not Pass
String 4	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 5	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 6	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 7	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 8	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 9	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 10	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 11	Panels	Vmp	Vdc	Vdc	Isc	A. :		Pass	Not Pass
String 12	Panels	Vmp	Vdc	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 :	234.0	Vac. Phase L1 to Grd :	233.9	Vac. Phase L1 to Grd :	234.6	Vac. Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	233.8	Vac. Phase L2 to Grd :	232.6	Vac. Phase L2 to Grd :	232.7	Vac. Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	234.2	Vac. Phase L3 to Grd :	230.1	Vac. Phase L3 to Grd :	228.9	Vac. Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	7.50	A. Phase L1 to Grd :	29.90	A. Phase L1 to Grd :	20.60	A.	
	Phase L2 to Grd :	8.20	A. Phase L2 to Grd :	12.60	A. Phase L2 to Grd :	22.00	A.	
	Phase L3 to Grd :	8.90	A. Phase L3 to Grd :	12.70	A. Phase L3 to Grd :	12.60	A.	

Comment :

Inspection By :

(Busham Library) Project Engineer

Date : / /