

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :				Kiri V. b - Jurgen		Maintenance :		MA		Date :		19 September 2025	
Solar Panel						Inverter							
Brand		Model		Capacity		Install		Brand		Model		S/N	
Castles		E1-490M5-60 H		10 kWp.		22 Panels		Solis		S9-GR3P10K		1805060224220001	

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current					Time	Inspection		Remark					
String 1	11 Panels	Vmp	342.6	Vdc	Voc	407.4	Vdc	Isc	6.09	A.	14 : 50	✓	Pass		Not Pass
String 2	11 Panels	Vmp	338.9	Vdc	Voc	406.6	Vdc	Isc	5.99	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	11	Panels	Vmp	355.7	Vdc	Voc	410.4	Vdc	Isc	9.02	A.	15:30	✓	Pass	Not Pass
String 2	11	Panels	Vmp	355.9	Vdc	Voc	412.7	Vdc	Isc	4.61	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 :	226.5 Vac.	Phase L1 to Grd :	227.8 Vac.	Phase L1 to Grd :	226.8 Vac.	Phase L1 to Grd :	226.8 Vac.
	Phase L2 to Grd :	231.3 Vac.	Phase L2 to Grd :	232.4 Vac.	Phase L2 to Grd :	232.0 Vac.	Phase L2 to Grd :	232.0 Vac.
	Phase L3 to Grd :	229.4 Vac.	Phase L3 to Grd :	230.2 Vac.	Phase L3 to Grd :	230.5 Vac.	Phase L3 to Grd :	230.5 Vac.
	AC Line Current		AC Line Current		AC Line Current		AC Line Current	
	Phase L1 to Grd :	9.39 A.	Phase L1 to Grd :	9.90 A.	Phase L1 to Grd :	11.20 A.	Phase L1 to Grd :	9.39 A.
	Phase L2 to Grd :	9.46 A.	Phase L2 to Grd :	9.80 A.	Phase L2 to Grd :	9.10 A.	Phase L2 to Grd :	9.46 A.
	Phase L3 to Grd :	9.90 A.	Phase L3 to Grd :	9.90 A.	Phase L3 to Grd :	9.60 A.	Phase L3 to Grd :	9.90 A.

Comment :

Inspection By :

(Sunham Libray) Project Engineer

Date : / /