

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :				Maintenance :		Date :	
Pavel - Pavilion				MA		16 October 2025	
Solar Panel				Inverter			
Brand	Model	Capacity	Install	Brand	Model	S/N	
Sonnax	SNX-D60 AND-40M	20 kWp.	40 Panels	Solis	SG-AR3P20k	18090B023B180035	

Before Preventive Maintenance Solar System

Solar Panels			Operating Voltage / Current					Time	Inspection			Remark					
String 1	10	Panels	Vmp	325.5	Vdc	Voc	388.0	Vdc	Isc	8.14	A.	9 : 30	✓	Pass		Not Pass	
String 2	10	Panels	Vmp	317.6	Vdc	Voc	385.1	Vdc	Isc	8.00	A.	:	✓	Pass		Not Pass	
String 3	10	Panels	Vmp	325.0	Vdc	Voc	388.0	Vdc	Isc	9.81	A.	:	✓	Pass		Not Pass	
String 4	10	Panels	Vmp	313.3	Vdc	Voc	385.3	Vdc	Isc	8.96	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	10	Panels	Vmp 320.1	Vdc	Voc 401.0	Vdc	Isc 9.10	A. 10 : 15	✓	Pass		Not Pass	
String 2	10	Panels	Vmp 310.3	Vdc	Voc 399.2	Vdc	Isc 9.82	A. :	✓	Pass		Not Pass	
String 3	10	Panels	Vmp 311.6	Vdc	Voc 401.0	Vdc	Isc 9.61	A. :	✓	Pass		Not Pass	
String 4	10	Panels	Vmp 308.7	Vdc	Voc 399.1	Vdc	Isc 8.91	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 :	227.1	Vac.	Phase L1 to Grd :	224.4	Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	221.3	Vac.	Phase L2 to Grd :	231.7	Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	231.4	Vac.	Phase L3 to Grd :	225.9	Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	16.70	A.	Phase L1 to Grd :	15.70	A.	Phase L1 to Grd :	A.
	Phase L2 to Grd :	16.70	A.	Phase L2 to Grd :	19.70	A.	Phase L2 to Grd :	A.
	Phase L3 to Grd :	16.30	A.	Phase L3 to Grd :	19.60	A.	Phase L3 to Grd :	A.

Comment :

Inspection By :

(Bunham Libney) Project Engineer

Date : / /