

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :		Headstart Investor #1		Maintenance :		MA		Date :		28 June 2025	
Solar Panel						Inverter					
Brand	Model		Capacity	Install	Brand	Model		S/N			
Sonnax	SMX-D78HND-630M		kWp.	Panels	Solix	SG-90110K		1814060229090001			

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection		Remark		
String 1	Panels	Vmp	630.7	Vdc	Voc	729.0	Vdc	Isc	A.	10 : 00	Pass	Not Pass	
String 2	Panels	Vmp	638.3	Vdc	Voc	728.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 3	Panels	Vmp	639.2	Vdc	Voc	675.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 4	Panels	Vmp	628.9	Vdc	Voc	676.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 5	Panels	Vmp	632.9	Vdc	Voc	727.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 6	Panels	Vmp	639.5	Vdc	Voc	728.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 7	Panels	Vmp	636.1	Vdc	Voc	780.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 8	Panels	Vmp	641.3	Vdc	Voc	781.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 9	Panels	Vmp	635.2	Vdc	Voc	778.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 10	Panels	Vmp	640.0	Vdc	Voc	729.0	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	647.7	Vdc	Voc	772.0	Vdc	Isc	A.	14:30	Pass	Not Pass	
String 2	Panels	Vmp	644.4	Vdc	Voc	774.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 3	Panels	Vmp	645.0	Vdc	Voc	665.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 4	Panels	Vmp	643.9	Vdc	Voc	664.3	Vdc	Isc	A.	:	Pass	Not Pass	
String 5	Panels	Vmp	637.9	Vdc	Voc	765.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 6	Panels	Vmp	638.1	Vdc	Voc	767.7	Vdc	Isc	A.	:	Pass	Not Pass	
String 7	Panels	Vmp	666.6	Vdc	Voc	770.9	Vdc	Isc	A.	:	Pass	Not Pass	
String 8	Panels	Vmp	665.8	Vdc	Voc	776.4	Vdc	Isc	A.	:	Pass	Not Pass	
String 9	Panels	Vmp	633.8	Vdc	Voc	787.1	Vdc	Isc	A.	:	Pass	Not Pass	
String 10	Panels	Vmp	631.5	Vdc	Voc	720.0	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 :	286.4	Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	285.4	Vac.
	Phase L2 to Grd :	285.2	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	285.6	Vac.
	Phase L3 to Grd :	288.4	Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	228.1	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	41.61	A.	Phase L1 to Grd :	A.	Phase L1 to Grd :	34.40	A.
	Phase L2 to Grd :	42.20	A.	Phase L2 to Grd :	A.	Phase L2 to Grd :	38.60	A.
	Phase L3 to Grd :	59.30	A.	Phase L3 to Grd :	A.	Phase L3 to Grd :	20.80	A.

Comment :

Inspection By :

(Bunham Libby) Project Engineer

Date : / /