

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :		Headstart Inverters #3		Maintenance :	MA	Date :	28 June 2025	
Solar Panel				Inverter				
Brand	Model	Capacity	Install	Brand	Model	S/N		
Sonnax	80X-D78HND-630M	kWp.	Panels	Solis	SG-9010K	1814061228010006		

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection		Remark		
String 1	Panels	Vmp	630.9	Vdc	Voc	782	Vdc	Isc	A.	10:00	Pass	Not Pass	
String 2	Panels	Vmp	628.7	Vdc	Voc	785	Vdc	Isc	A.	:	Pass	Not Pass	
String 3	Panels	Vmp	632.1	Vdc	Voc	784	Vdc	Isc	A.	:	Pass	Not Pass	
String 4	Panels	Vmp	631.2	Vdc	Voc	783	Vdc	Isc	A.	:	Pass	Not Pass	
String 5	Panels	Vmp	632.8	Vdc	Voc	784	Vdc	Isc	A.	:	Pass	Not Pass	
String 6	Panels	Vmp	634.1	Vdc	Voc	785	Vdc	Isc	A.	:	Pass	Not Pass	
String 7	Panels	Vmp	632.9	Vdc	Voc	787	Vdc	Isc	A.	:	Pass	Not Pass	
String 8	Panels	Vmp	633.4	Vdc	Voc	788	Vdc	Isc	A.	:	Pass	Not Pass	
String 9	Panels	Vmp	632.9	Vdc	Voc	791	Vdc	Isc	A.	:	Pass	Not Pass	
String 10	Panels	Vmp	464.6	Vdc	Voc	530.6	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	646.0	Vdc	Voc	786	Vdc	Isc	A.	14:30	Pass	Not Pass	
String 2	Panels	Vmp	674.4	Vdc	Voc	775	Vdc	Isc	A.	:	Pass	Not Pass	
String 3	Panels	Vmp	656.7	Vdc	Voc	763	Vdc	Isc	A.	:	Pass	Not Pass	
String 4	Panels	Vmp	639.9	Vdc	Voc	764	Vdc	Isc	A.	:	Pass	Not Pass	
String 5	Panels	Vmp	657.5	Vdc	Voc	766	Vdc	Isc	A.	:	Pass	Not Pass	
String 6	Panels	Vmp	649.3	Vdc	Voc	768	Vdc	Isc	A.	:	Pass	Not Pass	
String 7	Panels	Vmp	647.6	Vdc	Voc	763	Vdc	Isc	A.	:	Pass	Not Pass	
String 8	Panels	Vmp	649.4	Vdc	Voc	766	Vdc	Isc	A.	:	Pass	Not Pass	
String 9	Panels	Vmp	643.3	Vdc	Voc	765	Vdc	Isc	A.	:	Pass	Not Pass	
String 10	Panels	Vmp	478.8	Vdc	Voc	532.6	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 :	223.4	Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	225.4	Vac.
	Phase L2 to Grd :	232.1	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	225.6	Vac.
	Phase L3 to Grd :	231.9	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 :	40.92	A.	Phase L1 to Grd :	A.	Phase L1 to Grd :	34.40	A.
	Phase L2 to Grd :	41.62	A.	Phase L2 to Grd :	A.	Phase L2 to Grd :	38.60	A.
	Phase L3 to Grd :	40.54	A.	Phase L3 to Grd :	A.	Phase L3 to Grd :	20.80	A.

Comment :

Inspection By :

(Bunham Libby (Project Engineer

Date : / /