

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name: <u>Hendstead Investor #2</u>		Maintenance: <u>MA</u>	Date: <u>28 June 2025</u>
Solar Panel			
Brand	Model	Capacity	Install
Commax	SMX-D78AND-630M	kWp.	Panels
Inverter		Brand	Model
		Solaris	SA-6C110K
		S/N: <u>1814060228300005</u>	

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection		Remark	
String 1	Panels	Vmp	632.1	Vdc	Voc	785.0	Vdc	Isc	A.	10 : 00	Pass	Not Pass
String 2	Panels	Vmp	631.9	Vdc	Voc	783.6	Vdc	Isc	A.	:	Pass	Not Pass
String 3	Panels	Vmp	638.7	Vdc	Voc	787.0	Vdc	Isc	A.	:	Pass	Not Pass
String 4	Panels	Vmp	634.1	Vdc	Voc	785.8	Vdc	Isc	A.	:	Pass	Not Pass
String 5	Panels	Vmp	641.7	Vdc	Voc	784.1	Vdc	Isc	A.	:	Pass	Not Pass
String 6	Panels	Vmp	634.1	Vdc	Voc	785.5	Vdc	Isc	A.	:	Pass	Not Pass
String 7	Panels	Vmp	639.7	Vdc	Voc	785.3	Vdc	Isc	A.	:	Pass	Not Pass
String 8	Panels	Vmp	633.3	Vdc	Voc	782.6	Vdc	Isc	A.	:	Pass	Not Pass
String 9	Panels	Vmp	640.1	Vdc	Voc	780.4	Vdc	Isc	A.	:	Pass	Not Pass
String 10	Panels	Vmp	639.8	Vdc	Voc	780.5	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	646.1	Vdc	Voc	789.3	Vdc	Isc	A.	14:30	Pass	Not Pass	
String 2	Panels	Vmp	642.8	Vdc	Voc	787.1	Vdc	Isc	A.	:	Pass	Not Pass	
String 3	Panels	Vmp	644.3	Vdc	Voc	789.9	Vdc	Isc	A.	:	Pass	Not Pass	
String 4	Panels	Vmp	643.2	Vdc	Voc	784.9	Vdc	Isc	A.	:	Pass	Not Pass	
String 5	Panels	Vmp	646.7	Vdc	Voc	783.6	Vdc	Isc	A.	:	Pass	Not Pass	
String 6	Panels	Vmp	649.9	Vdc	Voc	784.0	Vdc	Isc	A.	:	Pass	Not Pass	
String 7	Panels	Vmp	639.7	Vdc	Voc	785.5	Vdc	Isc	A.	:	Pass	Not Pass	
String 8	Panels	Vmp	646.4	Vdc	Voc	785.7	Vdc	Isc	A.	:	Pass	Not Pass	
String 9	Panels	Vmp	642.8	Vdc	Voc	788.8	Vdc	Isc	A.	:	Pass	Not Pass	
String 10	Panels	Vmp	644.0	Vdc	Voc	786.6	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 :	996.3	Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	229.4	Vac.
	Phase L2 to Grd :	995.5	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	229.6	Vac.
	Phase L3 to Grd :	998.4	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 :	72.68	A.	Phase L1 to Grd :	A.	Phase L1 to Grd :	34.40	A.
	Phase L2 to Grd :	75.36	A.	Phase L2 to Grd :	A.	Phase L2 to Grd :	38.60	A.
	Phase L3 to Grd :	76.11	A.	Phase L3 to Grd :	A.	Phase L3 to Grd :	20.80	A.

Comment :

Inspected By :

(Eunhwan Lim) Project Engineer

Date : / /