

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : Khun Puk				Maintenance : MA	Date : 1 May 2024
Solar Panel				Inverter	
Brand	Model	Capacity	Install	Brand	Model
Sonnax	SRX-D60 HND-480M	10 kWp.	24 Panels	Solis	SB-GA3PDK2-H 1033061230260003

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current						Time	Inspection		Remark
String 1	12 Panels	Vmp 296.7	Vdc	Voc 474.6	Vdc	Isc 4.23 A.	12:45	✓	Pass	Not Pass
String 2	12 Panels	Vmp 299.4	Vdc	Voc 453.6	Vdc	Isc 4.18 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	12 Panels	Vmp 304.4	Vdc	Voc 479.5	Vdc	Isc 4.06 A.	13:30	✓	Pass	Not Pass
String 2	12 Panels	Vmp 303.3	Vdc	Voc 482.2	Vdc	Isc 4.44 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 :	229.0 Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	228.6 Vac.
	Phase L2 to Grd :	234.2 Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	234.0 Vac.
	Phase L3 to Grd :	233.6 Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	233.5 Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	A.	Phase L1 to Grd :	A.	Phase L1 to Grd :	A.		
	Phase L2 to Grd :	A.	Phase L2 to Grd :	A.	Phase L2 to Grd :	A.		

Comment : _____

Inspection By :

(Bunham Libroy) Project Engineer

Date : ____/____/____

SMARTER ENERGY SOLUTION

Electrical Room Inspection



Device	Ambient Temp	Temperature						Remark
Inverter	41.7 °C	Inside :	43.4 °C	Outside :	44.6 °C	Heatsync :	46.7 °C	
AC Cabinet	42.4 °C	MCB Breaker :	41.3 °C	RCCB Breaker :	41.8 °C	AC SPD :	44.6 °C	
			40 A.		40 A.		3 Phase	
		Smart Meter :	43.4 °C	AC Terminal	42.1 °C	CT Ratio :	/ A.	
			3 Phase	AC Cable :	10 Sq.m.	Meter Ratio :	A.	
		String No.	DC Fuse	DC Breaker	DC SPD	MC4 Connector		
DC Cabinet	41.1 °C	String 1	41.1 °C	41.2 °C	41.5 °C	39.5 °C		
		String 2	42.4 °C	42.3 °C	39.7 °C	39.4 °C		
		String 3	°C	°C	°C	°C		
		String 4	°C	°C	°C	°C		
		String 5	°C	°C	°C	°C		
		String 6	°C	°C	°C	°C		
		String 7	°C	°C	°C	°C		
		String 8	°C	°C	°C	°C		
		String 9	°C	°C	°C	°C		
		String 10	°C	°C	°C	°C		
		String 11	°C	°C	°C	°C		
		String 12	°C	°C	°C	°C		
EE Room	42.1 °C	AC Cable :	25 Sq.m.	Main Breaker :	100 A.	MCCB Feed :	A.	
		Wireway :	40.6 °C	MDB / LC :	39.8 °C		°C	

Comment :

Inspection By :

(Bunharn Libnoy)Project Engineer

Date : ____/____/____