

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :		Khun Jeab - The Park		Maintenance :	MA	Date :	16 October 2023	
Solar Panel				Inverter				
Brand	Model	Capacity	Install	Brand	Model	S/N		
Enigm	Gx480TC	10 kWp.	22 Panels	Solis	SD-GR3P10K	1809060236270034		

Before Preventive Maintenance Solar System									
Solar Panels		Operating Voltage / Current				Time	Inspection		Remark
String 1	Panels Vmp	337.3 Vdc	Voc 419.2 Vdc	Isc 8.78 A.	10 : 30	✓	Pass	Not Pass	
String 2	Panels Vmp	342.5 Vdc	Voc 419.3 Vdc	Isc 7.37 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	Panels Vmp	330.4 Vdc	Voc 429.3 Vdc	Isc 8.86 A.	11 : 15	✓	Pass	Not Pass	
String 2	Panels Vmp	341.6 Vdc	Voc 430.0 Vdc	Isc 8.93 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 :	225.8	Vac. Phase L1 to Grd :	224.2	Vac. Phase L1 to Grd :	225.8	Vac. Phase L1 to Grd :		Vac.
	Phase L2 to Grd :	229.0	Vac. Phase L2 to Grd :	228.7	Vac. Phase L2 to Grd :	228.2	Vac. Phase L2 to Grd :		Vac.
	Phase L3 to Grd :	227.7	Vac. Phase L3 to Grd :	231.4	Vac. Phase L3 to Grd :	230.2	Vac. Phase L3 to Grd :		Vac.
	AC Line Current		AC Line Current		AC Line Current				
	Phase L1 to Grd :	8.61	A. Phase L1 to Grd :	8.90	A. Phase L1 to Grd :	4.80	A.		
	Phase L2 to Grd :	9.36	A. Phase L2 to Grd :	8.80	A. Phase L2 to Grd :	8.40	A.		
	Phase L3 to Grd :	8.93	A. Phase L3 to Grd :	8.80	A. Phase L3 to Grd :	3.00	A.		

Comment :

Inspection By :

(Bunham Library) Project Engineer

Date : / /