

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name :				Maintenance :		Date :	
Solar Panel				Inverter			
Brand	Model	Capacity	Install	Brand	Model	S/N	
Exion	EX480 HJT	10 kWp.	25 Panels	Gardner	GN10K-GT	9010 KGTU22AW390	

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current				Time	Inspection		Remark
String 1	Panels Vmp	398.2 Vdc	473.2 Vdc	2.36 A	16:15	☒	Pass	Not Pass	
String 2	Panels Vmp	604.8 Vdc	707.0 Vdc	2.33 A	:	☒	Pass	Not Pass	
String 3	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 4	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 5	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 6	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 7	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 8	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 9	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 10	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 11	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 12	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	

After Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current				Time	Inspection		Remark
String 1	Panels Vmp	411.4 Vdc	481.0 Vdc	3.43 A	17:00	☒	Pass	Not Pass	
String 2	Panels Vmp	629.0 Vdc	729.0 Vdc	2.30 A	:	☒	Pass	Not Pass	
String 3	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 4	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 5	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 6	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 7	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 8	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 9	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 10	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 11	Panels Vmp	Vdc	Vdc	A	:	☐	Pass	Not Pass	
String 12	Panels Vmp	Vdc	Vdc	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 :	233.7 Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	Vac.	Phase L1 to Grd :	229.9 Vac.
	Phase L2 to Grd :	230.1 Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	Vac.	Phase L2 to Grd :	234.3 Vac.
	Phase L3 to Grd :	230.8 Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	Vac.	Phase L3 to Grd :	231.3 Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	1.37 A.	Phase L1 to Grd :	A.	Phase L1 to Grd :	A.		
	Phase L2 to Grd :	12.77 A.	Phase L2 to Grd :	A.	Phase L2 to Grd :	A.		
	Phase L3 to Grd :	4.44 A.	Phase L3 to Grd :	A.	Phase L3 to Grd :	A.		

Comment :

Inspection By :

(Bunham Libany) Project Engineer

Date : / /