

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name: Garden Atlas 1 v.1	Maintenance: MA	Date: 19 August 2025
Solar Panel		Inverter
Brand: Qastix	Model: GL-480	Capacity: 40 kWp.
Install: 33 Panels	Brand: Goodwe	Model: GN10K-GT
		S/N: 9010KGTU229N0625

Before Preventive Maintenance Solar System									
Solar Panels	Operating Voltage / Current					Time	Inspection		Remark
String 1	Panels	Vmp 591.4	Vdc	Voc 590.3	Vdc	Isc 5.23 A.	10:00	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 2	Panels	Vmp 628.0	Vdc	Voc 623.4	Vdc	Isc 5.30 A.	:	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 3	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 4	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 5	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 6	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 7	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 8	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 9	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 10	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 11	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 12	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass

After Preventive Maintenance Solar System									
Solar Panels	Operating Voltage / Current					Time	Inspection		Remark
String 1	Panels	Vmp 522.4	Vdc	Voc 600.3	Vdc	Isc 4.66 A.	11:00	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 2	Panels	Vmp 573.2	Vdc	Voc 640.8	Vdc	Isc 4.62 A.	:	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 3	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 4	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 5	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 6	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 7	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 8	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 9	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 10	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 11	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> Not Pass
String 12	Panels	Vmp	Vdc	Voc	Vdc	Isc	A.	<input type="checkbox"/> Pass	<input type="checkbox"/> 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	
	Phase L1 to Grd : 228.1	Vac. Phase L1 to Grd :	Vac. Phase L1 to Grd :	Vac. Phase L1 to Grd : 228.9 Vac.
	Phase L2 to Grd : 232.2	Vac. Phase L2 to Grd :	Vac. Phase L2 to Grd :	Vac. Phase L2 to Grd : 231.7 Vac.
	Phase L3 to Grd : 229.4	Vac. Phase L3 to Grd :	Vac. Phase L3 to Grd :	Vac. Phase L3 to Grd : 229.0 Vac.
	AC Line Current		AC Line Current	
	Phase L1 to Grd : 6.32	A. Phase L1 to Grd :	A. Phase L1 to Grd :	A.
	Phase L2 to Grd : 8.27	A. Phase L2 to Grd :	A. Phase L2 to Grd :	A.
Phase L3 to Grd : 7.85	A. Phase L3 to Grd :	A. Phase L3 to Grd :	A.	

Comment : _____

Inspection By : _____
 (Bunhan Libnory) Project Engineer
 Date : _____