SMARTER ENERGY SOLUTION
Preventive Maintenance Solar System

Customer Name :	Som Apartment	Maintenance :	MA	Date :	17 October 2025

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
Gastlux	GL450M5-60H	40 kWp.	73 Panels	Solis	3S-GC40K	181104022A2400031

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current						Time	Inspection				Remark
String 1	Panels	Vmp 493.9	Vdc	Voc 569.8	Vdc	Isc 3.34	A.	15:00	✓	Pass		Not Pass	
String 2	Panels	Vmp 499.9	Vdc	Voc 559.9	Vdc	Isc 3.26	A.	:	✓	Pass		Not Pass	
String 3	Panels	Vmp 385.4	Vdc	Voc 430.6	Vdc	Isc 2.61	A.	:	✓	Pass		Not Pass	
String 4	Panels	Vmp 379.7	Vdc	Voc 430.8	Vdc	Isc 2.88	A.	:	✓	Pass		Not Pass	
String 5	Panels	Vmp 386.3	Vdc	Voc 369.2	Vdc	Isc 2.18	A.	:	✓	Pass		Not Pass	
String 6	Panels	Vmp 325.8	Vdc	Voc 368.4	Vdc	Isc 3.43	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 490.4	Vdc	Voc 612.7	Vdc	Isc 6.90	A.	16:00	✓	Pass		Not Pass	
String 2	Panels	Vmp 493.2	Vdc	Voc 614.9	Vdc	Isc 5.60	A.	:	✓	Pass		Not Pass	
String 3	Panels	Vmp 481.6	Vdc	Voc 479.9	Vdc	Isc 6.24	A.	:	✓	Pass		Not Pass	
String 4	Panels	Vmp 481.7	Vdc	Voc 480.0	Vdc	Isc 6.18	A.	:	✓	Pass		Not Pass	
String 5	Panels	Vmp 386.4	Vdc	Voc 424.5	Vdc	Isc 5.33	A.	:	✓	Pass		Not Pass	
String 6	Panels	Vmp 319.6	Vdc	Voc 420.5	Vdc	Isc 4.96	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	
	AC Line Voltage		AC Line Voltage		AC Line Voltage		AC Line Voltage	
Inverter	Phase L1 to Grd : 229.4	Vac.	Phase L1 to Grd : 230.1	Vac.	Phase L1 to Grd : 231.3	Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd : 231.9	Vac.	Phase L2 to Grd : 230.7	Vac.	Phase L2 to Grd : 231.2	Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd : 231.7	Vac.	Phase L3 to Grd : 230.4	Vac.	Phase L3 to Grd : 232.4	Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd : 9.25	A.	Phase L1 to Grd : 9.20	A.	Phase L1 to Grd : 21.60	A.		
	Phase L2 to Grd : 10.44	A.	Phase L2 to Grd : 9.00	A.	Phase L2 to Grd : 21.00	A.		
	Phase L3 to Grd : 12.96	A.	Phase L3 to Grd : 8.90	A.	Phase L3 to Grd : 20.70	A.		

Comment :

Inspection By : _____

(Bunharn Libnoy)Project Engineer

Date : ____/____/____