SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System

Customer Name :	Modern Loft M29 (Dimitri)	Maintenance :	MA	Date :	25 March 2025

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
Sunmax	SNX-D60HND-680M	10 kWp.	23 Panels	Solis	S5-GR3P10K	1805060236270029

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current			Time	Inspection		Remark
String 1	11 Panels	Vmp 385.5 Vdc	Voc 461.4 Vdc	Isc 12.03 A.	13 : 30	✓ Pass	Not Pass	
String 2	12 Panels	Vmp 417.9 Vdc	Voc 500.9 Vdc	Isc 11.95 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	11 Panels	Vmp 383.5 Vdc	Voc 423.3 Vdc	Isc 10.83 A.	16 :08	✓ Pass	Not Pass	
String 2	12 Panels	Vmp 382.2 Vdc	Voc 499.3 Vdc	Isc 11.15 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	Readings from Smarter Meter	Readings from Inverter Display	Field Measured Readings	Remark
Inverter	**AC Line Voltage**	**AC Line Voltage**	**AC Line Voltage**	
	Phase L1 to Grd : 235.7 Vac	Phase L1 to Grd : 235.2 Vac	Phase L1 to Grd : 235.4 Vac	
	Phase L2 to Grd : 237.4 Vac	Phase L2 to Grd : 237.1 Vac	Phase L2 to Grd : 237.8 Vac	
	Phase L3 to Grd : 235.4 Vac	Phase L3 to Grd : 234.7 Vac	Phase L3 to Grd : 233.7 Vac	
	AC Line Current	**AC Line Current**	**AC Line Current**	
	Phase L1 to Grd : 12.60 A	Phase L1 to Grd : 12.90 A	Phase L1 to Grd : 12.50 A	
	Phase L2 to Grd : 12.00 A	Phase L2 to Grd : 12.90 A	Phase L2 to Grd : 12.51 A	
	Phase L3 to Grd : 16.80 A	Phase L3 to Grd : 12.90 A	Phase L3 to Grd : 12.60 A	

Comment : เปลี่ยน 1 เส้น bypass ใส่ใหม่

S/N S6022092312160023 1

Inspection By : _____

(Bunharn Libnoy)Project Engineer

Date : ____/____/____