SMARTER ENERGY SOLUTION
Preventive Maintenance Solar System

Customer Name :	Chaiyapong Plastic #1	Maintenance :	M&T	Date :	26 March 2025

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
Gprom	G-x 480 TC	40 Kwp.	96 Panels	Solis	S5-GC 40k	18110402362900007

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current			Time	Inspection		Remark
String 1 ____Panels	Voc 719.0 Vdc	Vmp 639.0 Vdc	Isc 3.55 A.	8 : 30	☑ Pass	☐ Not Pass	
String 2 ____Panels	Voc 718.0 Vdc	Vmp 635.0 Vdc	Isc 3.51 A.	:	☑ Pass	☐ Not Pass	
String 3 ____Panels	Voc 711.0 Vdc	Vmp 630.0 Vdc	Isc 3.48 A.	:	☑ Pass	☐ Not Pass	
String 4 ____Panels	Voc 711.0 Vdc	Vmp 630.0 Vdc	Isc 2.58 A.	:	☑ Pass	☐ Not Pass	
String 5 ____Panels	Voc 466.4 Vdc	Vmp 382.0 Vdc	Isc 9.30 A.	:	☑ Pass	☐ Not Pass	
String 6 ____Panels	Voc 465.6 Vdc	Vmp 381.7 Vdc	Isc 4.42 A.	:	☑ Pass	☐ Not Pass	
String 7 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 8 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 9 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 10 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 11 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 12 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	

After Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current			Time	Inspection		Remark
String 1 ____Panels	Voc 720.6 Vdc	Vmp 483.0 Vdc	Isc 8.81 A.	10 : 49	☑ Pass	☐ Not Pass	
String 2 ____Panels	Voc 723.0 Vdc	Vmp 490.0 Vdc	Isc 8.69 A.	:	☑ Pass	☐ Not Pass	
String 3 ____Panels	Voc 720.0 Vdc	Vmp 487.9 Vdc	Isc 8.28 A.	:	☑ Pass	☐ Not Pass	
String 4 ____Panels	Voc 729.0 Vdc	Vmp 513.8 Vdc	Isc 8.52 A.	:	☑ Pass	☐ Not Pass	
String 5 ____Panels	Voc 477.8 Vdc	Vmp 370.9 Vdc	Isc 12.34 A.	:	☑ Pass	☐ Not Pass	
String 6 ____Panels	Voc 469.7 Vdc	Vmp 367.8 Vdc	Isc 12.21 A.	:	☑ Pass	☐ Not Pass	
String 7 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 8 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 9 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 10 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 11 ____Panels	Voc ____ Vdc	Vmp ____ Vdc	Isc ____ A.	:	☐ Pass	☐ Not Pass	
String 12 ____Panels	Voc ____ Vdc	Vmp ____ 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 : 234.8 Vac	Phase L1 to Grd : 234.4 Vac	Phase L1 to Grd : 234.5 Vac	
	Phase L2 to Grd : 235.7 Vac	Phase L2 to Grd : 234.3 Vac	Phase L2 to Grd : 235.5 Vac	
	Phase L3 to Grd : 233.5 Vac	Phase L3 to Grd : 234.0 Vac	Phase L3 to Grd : 235.5 Vac	
	AC Line Current	**AC Line Current**	**AC Line Current**	
	Phase L1 to Grd : 20.40 A	Phase L1 to Grd : 21.2 A	Phase L1 to Grd : 20.35 A	
	Phase L2 to Grd : 20.40 A	Phase L2 to Grd : 21.7 A	Phase L2 to Grd : 20.74 A	
	Phase L3 to Grd : 20.40 A	Phase L3 to Grd : 21.5 A	Phase L3 to Grd : 20.90 A	

Comment :