



**SMARTER ENERGY
SOLUTION**

Maintenance Report

Maintenance Date : 19 May 2025

AC Consulting Group Co., Ltd.

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Preventive Maintenance Report

AC Consulting Group Co., Ltd.

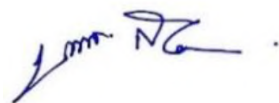
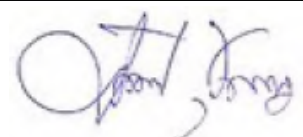
Maintenance : 4th of 4th	Maintenance Date : 19 May 2025	Next Maintenance : 19 May 2025
-	-	-
Inverter : SOLIS	Solar PV : EXIOM	Battery : -
Model : S5-GR3P10K	Model : EX480HJ(HC)M(B)	Model : -
Rated Power : 10 kW.	Power : 480 Wp.	Capacity : -
System : On-Grid (3 Phase)	Quantity : 26 Panels	Parallel : -
S/N : 1805060224220013	Capacity : 12.48 kWp.	

Item	Qty.	Description	Completed	Not Completed
1	1 Job	Clean the solar panel & check condition.	✓	
2	1 Job	Check the mounting parts of the solar cell and torque.	✓	
3	1 Job	Check around and see if the wires and all modules are damaged.	✓	
4	1 Job	Check string measure earthing resistance and inspection.	✓	
5	1 Job	Clean for external of the inverter and related electrical equipment.	✓	
6	1 Job	Check the power connections power wiring, capacitors and protection.	✓	
7	1 Job	Check the tightness of the wire terminals.	✓	
8	1 Job	Check general cleanliness and review parameter setting.	✓	
9	1 Job	Clean and check exterior cubicle & interior for AC / DC Cabinet.	✓	
10	1 Job	Check earthing resistance and connection.	✓	
11	1 Job	Check and measurement DC grounding (Measurement testing).	✓	
12	1 Job	Check temperature sensor, monitoring, control and alarms systems.	✓	
13	1 Job	Check temperature by thermoscan for Panels, AC, DC Cabinet & Inverter.	✓	

Recommend

Found Problem	1. 2. 3. 4. 5.
Problem Solving	1. 2. 3. 4. 5.
Pending Work	1. 2. 3. 4. 5.
Comment	1. 2. 3. 4. 5.

Approved by Operations and Maintenance Department

		
Kittipong Chookeaw Project Supervisor	Bunhan Libnoy Project Engineer	Saowarach Khunradsadorn Operations & Maintenance Manager

Solar Rooftop Layout and String Design



1. Cleaning Solar Panel & Check the condition

Before

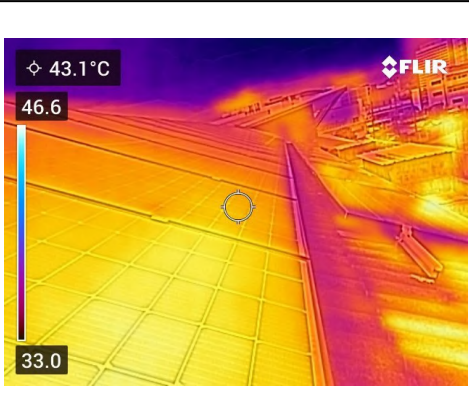
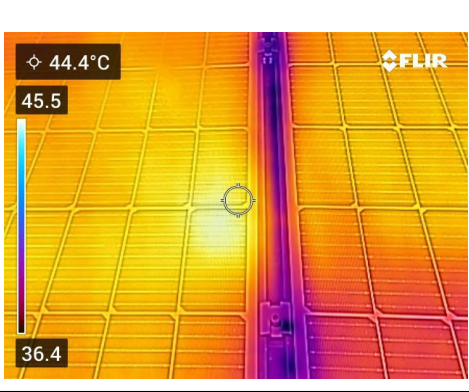
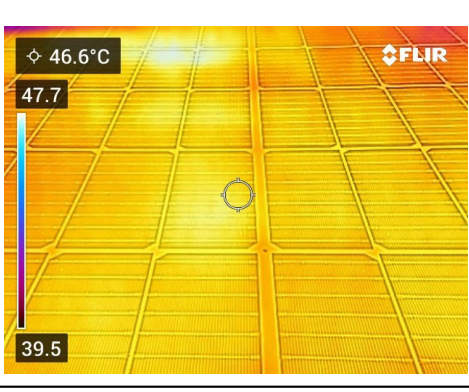
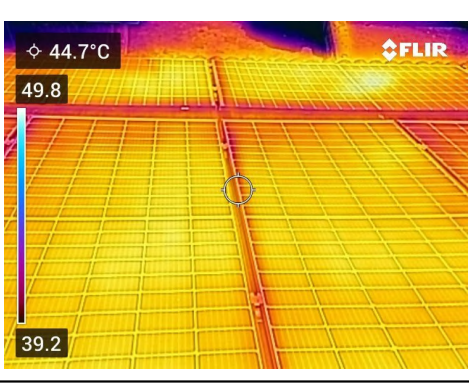


After

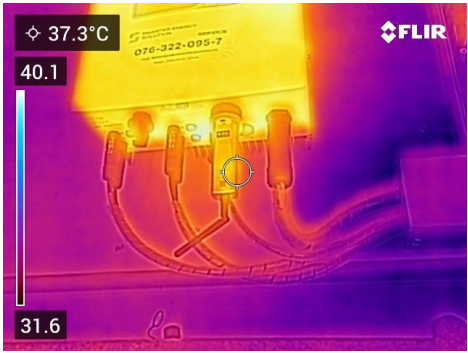
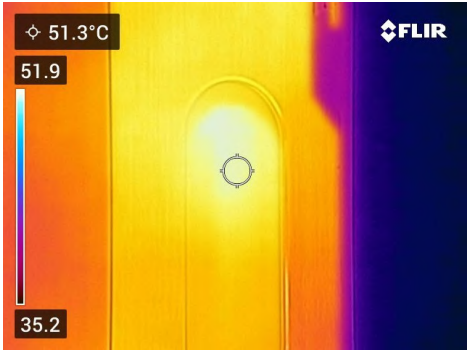


2. Check Temperature for PV Panels / Inverter / AC & DC Cabinet

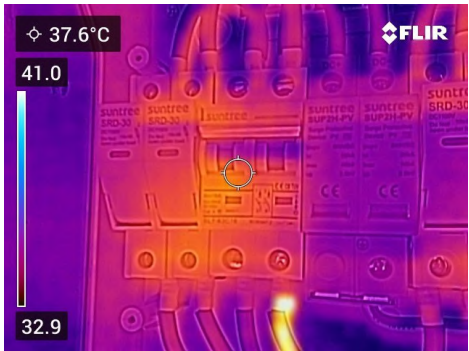
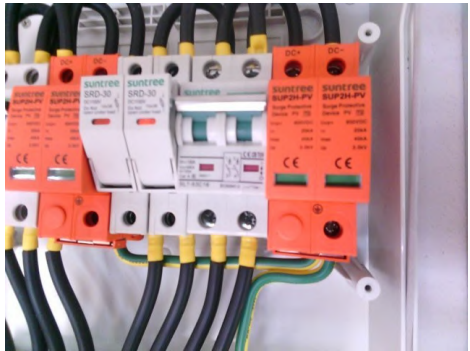
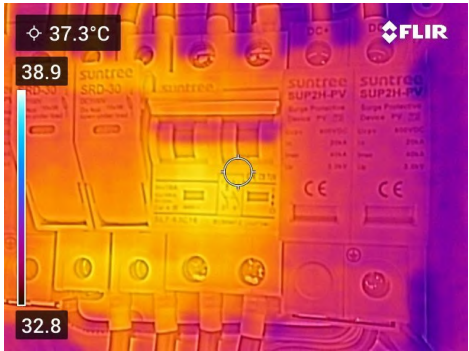
2.1 Temperature of Solar Panels

		☒ Normal < +85 °C ☐ Abnormal > +85 °C
		☒ Normal < +85 °C ☐ Abnormal > +85 °C
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		☒ Normal < +85 °C ☐ Abnormal > +85 °C

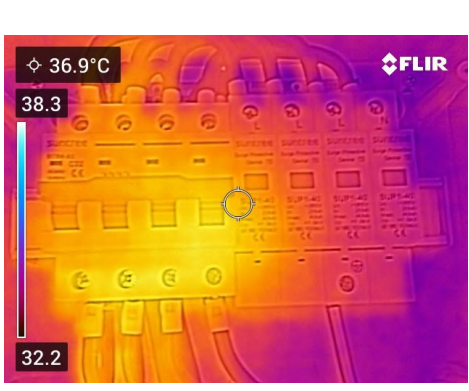
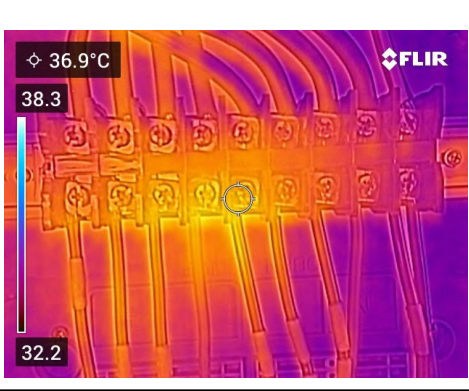
2.2 Temperature of Inverter

		☒ Normal < +150 °C ☐ Abnormal > +150 °C
		☒ Normal < +150 °C ☐ Abnormal > +150 °C
		☒ Normal < +150 °C ☐ Abnormal > +150 °C
		☒ - ☐ -

2.3 Temperature of DC Combiner Cabinet

		☒ Normal < +85 °C ☐ Abnormal > +85 °C
		☒ Normal < +70 °C ☐ Abnormal > +70 °C
		☒ - ☐ -
		☒ - ☐ -

2.4 Temperature of AC Combiner Cabinet

		☒ Normal < +85 °C ☐ Abnormal > +85 °C
		☒ Normal < +70 °C ☐ Abnormal > +70 °C
		☒ - ☐ -
		☒ - ☐ -

2.5 Temperature of Smart Digital Meter

		☒ Normal < +125 °C ☐ Abnormal > +125 °C
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2.6 Temperature of Battery

		☒ - ☐ -
		☒ - ☐ -

3 Comparison Measurement Between Smart Meter and Ammeter



Report Files Attachment