SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System

Customer Name :	Himmapan R. Nigel	Maintenance :	MA	Date :	23 October 2024

Solar Panel				Inverter		
Brand	Model	Capacity	Install	Brand	Model	S/N
Canadian	CS6R-410TC	10 Kwp.	26 Panels	Solis	S5-GR3P10K	180a60238040025

Before Preventive Maintenance Solar System

	Solar Panels	Operating Voltage / Current			Time	Inspection		Remark
String 1	13 Panels	Voc 600.4 Vdc	Vmp 500.6 Vdc	Isc 3.10 A.	19 : 00	☑ Pass	☐ Not Pass	
String 2	13 Panels	Voc 592.3 Vdc	Vmp 490.1 Vdc	Isc 3.21 A.	:	☑ Pass	☐ Not Pass	
String 3	Panels	Voc Vdc	Vmp Vdc	Isc A.	:	☐ Pass	☐ Not Pass	
String 4	Panels	Voc Vdc	Vmp Vdc	Isc A.	:	☐ Pass	☐ Not Pass	
String 5	Panels	Voc Vdc	Vmp Vdc	Isc A.	:	☐ Pass	☐ Not Pass	
String 6	Panels	Voc Vdc	Vmp Vdc	Isc 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	13 Panels	Voc 611.0 Vdc	Vmp 517.1 Vdc	Isc 2.95 A.	16 : 00	☑ Pass	☐ Not Pass	
String 2	13 Panels	Voc 608.7 Vdc	Vmp 510.9 Vdc	Isc 2.97 A.	:	☑ Pass	☐ Not Pass	
String 3	Panels	Voc Vdc	Vmp Vdc	Isc A.	:	☐ Pass	☐ Not Pass	
String 4	Panels	Voc Vdc	Vmp Vdc	Isc A.	:	☐ Pass	☐ Not Pass	
String 5	Panels	Voc Vdc	Vmp Vdc	Isc A.	:	☐ Pass	☐ Not Pass	
String 6	Panels	Voc Vdc	Vmp Vdc	Isc 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 : 231.3 Vac	Phase L1 to Grd : 228.1 Vac	Phase L1 to Grd : 230.7 Vac	
	Phase L2 to Grd : 229.5 Vac	Phase L2 to Grd : 232.4 Vac	Phase L2 to Grd : 228.8 Vac	
	Phase L3 to Grd : 225.3 Vac	Phase L3 to Grd : 228.7 Vac	Phase L3 to Grd : 228.6 Vac	
	AC Line Current	**AC Line Current**	**AC Line Current**	
	Phase L1 to Grd : 3.00 A	Phase L1 to Grd : 3.1 A	Phase L1 to Grd : 3.16 A	
	Phase L2 to Grd : 1.80 A	Phase L2 to Grd : 3.1 A	Phase L2 to Grd : 3.08 A	
	Phase L3 to Grd : 3.00 A	Phase L3 to Grd : 3.1 A	Phase L3 to Grd : 3.13 A	

Comment :