

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>Yame V.8- John Paul</u>				Maintenance : <u>MO</u>	Date : <u>6 August 2025</u>
Solar Panel				Inverter	
Brand	Model	Capacity	Install	Brand	Model S/N
<u>Exim</u>	<u>EX480 HJT</u>	<u>40</u> kWp.	<u>104</u> Panels	<u>Solis</u>	<u>SB-9C40K 18M04022A040027</u>

Before Preventive Maintenance Solar System

Solar Panels		Operating Voltage / Current					Time	Inspection			Remark					
String 1	Panels	Vmp	370.2	Vdc	Voc	449.4	Vdc	Isc	4.69	A.	10 : 30	✓	Pass		Not Pass	
String 2	Panels	Vmp	376.4	Vdc	Voc	449.5	Vdc	Isc	5.24	A.	:	✓	Pass		Not Pass	
String 3	Panels	Vmp	360.0	Vdc	Voc	447.5	Vdc	Isc	4.48	A.	:	✓	Pass		Not Pass	
String 4	Panels	Vmp	363.9	Vdc	Voc	448.2	Vdc	Isc	4.76	A.	:	✓	Pass		Not Pass	
String 5	Panels	Vmp	604.1	Vdc	Voc	731.4	Vdc	Isc	0.17	A.	:	✓	Pass		Not Pass	
String 6	Panels	Vmp	598.7	Vdc	Voc	730.7	Vdc	Isc	9.09	A.	:	✓	Pass		Not Pass	
String 7	Panels	Vmp	582.4	Vdc	Voc	733.6	Vdc	Isc	5.04	A.	:	✓	Pass		Not Pass	
String 8	Panels	Vmp	590.6	Vdc	Voc	731.0	Vdc	Isc	7.50	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	380	Vdc	Voc	471.0	Vdc	Isc	2.95	A.	12 : 30	✓	Pass		Not Pass	Disconnection
String 2	Panels	Vmp	388	Vdc	Voc	471.3	Vdc	Isc	2.98	A.	:	✓	Pass		Not Pass	
String 3	Panels	Vmp	365	Vdc	Voc	442.0	Vdc	Isc	3.11	A.	:	✓	Pass		Not Pass	
String 4	Panels	Vmp	361	Vdc	Voc	442.5	Vdc	Isc	2.60	A.	:	✓	Pass		Not Pass	
String 5	Panels	Vmp	629	Vdc	Voc	742.2	Vdc	Isc	0.12	A.	:	✓	Pass		Not Pass	
String 6	Panels	Vmp	617	Vdc	Voc	745.6	Vdc	Isc	3.00	A.	:	✓	Pass		Not Pass	
String 7	Panels	Vmp	617	Vdc	Voc	745.1	Vdc	Isc	3.03	A.	:	✓	Pass		Not Pass	
String 8	Panels	Vmp	606	Vdc	Voc	745.3	Vdc	Isc	2.84	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	
Inverter	AC Line Voltage		AC Line Voltage		AC Line Voltage		AC Line Voltage	
	Phase L1 to Grd :	<u>228.5</u> Vac.	Phase L1 to Grd :	<u>229.7</u> Vac.	Phase L1 to Grd :	<u>228.8</u> Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	<u>227.0</u> Vac.	Phase L2 to Grd :	<u>228.0</u> Vac.	Phase L2 to Grd :	<u>227.5</u> Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	<u>226.4</u> Vac.	Phase L3 to Grd :	<u>228.6</u> Vac.	Phase L3 to Grd :	<u>225.9</u> Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	<u>13.00</u> A.	Phase L1 to Grd :	<u>10.20</u> A.	Phase L1 to Grd :	<u>4.00</u> A.		
	Phase L2 to Grd :	<u>12.00</u> A.	Phase L2 to Grd :	<u>10.40</u> A.	Phase L2 to Grd :	<u>3.20</u> A.		
	Phase L3 to Grd :	<u>13.20</u> A.	Phase L3 to Grd :	<u>10.00</u> A.	Phase L3 to Grd :	<u>23.40</u> A.		

Comment :

Inspection By :

(Bunham Libroy) Project Engineer

Date : / /