

SMARTER ENERGY SOLUTION

Preventive Maintenance Solar System



Customer Name : <u>Zenithy Villa A1</u>				Maintenance : <u>MA</u>	Date : <u>8 August 2025</u>
Solar Panel				Inverter	
Brand	Model	Capacity	Install	Brand	Model
		kWp.	Panels		S/N

Before Preventive Maintenance Solar System

Solar Panels	Operating Voltage / Current						Time	Inspection		Remark
String 1	<u>11</u>	Panels	Vmp <u>455.6</u>	Vdc	Voc <u>401.7</u>	Vdc	Isc <u>2.1</u> A.	<u>12:45</u>	☒ Pass	☐ Not Pass
String 2	<u>10</u>	Panels	Vmp <u>340.3</u>	Vdc	Voc <u>300.2</u>	Vdc	Isc <u>2.0</u> 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	<u>11</u>	Panels	Vmp <u>468.6</u>	Vdc	Voc <u>396.7</u>	Vdc	Isc <u>2.6</u> A.	<u>13:30</u>	☒ Pass	☐ Not Pass
String 2	<u>10</u>	Panels	Vmp <u>348.6</u>	Vdc	Voc <u>294.3</u>	Vdc	Isc <u>2.4</u> 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	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>229.4</u> Vac.	Phase L1 to Grd :	<u>229-1</u> Vac.	Phase L1 to Grd :	<u>228.0</u> Vac.	Phase L1 to Grd :	Vac.
	Phase L2 to Grd :	<u>230.3</u> Vac.	Phase L2 to Grd :	<u>229-3</u> Vac.	Phase L2 to Grd :	<u>230.6</u> Vac.	Phase L2 to Grd :	Vac.
	Phase L3 to Grd :	<u>228.0</u> Vac.	Phase L3 to Grd :	<u>230-0</u> Vac.	Phase L3 to Grd :	<u>229.5</u> Vac.	Phase L3 to Grd :	Vac.
	AC Line Current		AC Line Current		AC Line Current			
	Phase L1 to Grd :	<u>1.30</u> A.	Phase L1 to Grd :	<u>0.96</u> A.	Phase L1 to Grd :	<u>2.00</u> A.		
	Phase L2 to Grd :	<u>1.20</u> A.	Phase L2 to Grd :	<u>0.95</u> A.	Phase L2 to Grd :	<u>2.00</u> A.		
	Phase L3 to Grd :	<u>1.20</u> A.	Phase L3 to Grd :	<u>1.10</u> A.	Phase L3 to Grd :	<u>1.40</u> A.		

Comment :

Inspection By :

(Bunharn Libony / Project Engineer

Date : / /