

# SMARTER ENERGY SOLUTION

## Preventive Maintenance Solar System



|                 |                  |               |          |           |               |          |        |                  |  |  |
|-----------------|------------------|---------------|----------|-----------|---------------|----------|--------|------------------|--|--|
| Customer Name : |                  | Arann Massage |          |           | Maintenance : | MA       | Date : | 16 October 2025  |  |  |
| Solar Panel     |                  |               |          |           | Inverter      |          |        |                  |  |  |
| Brand           | Model            |               | Capacity | Install   | Brand         | Model    |        | S/N              |  |  |
| Sonnax          | SNX D6 HND -4800 |               | 40 kWp.  | 86 Panels | Solis         | SG-AC40K |        | 1811040235310012 |  |  |

### Before Preventive Maintenance Solar System

| Solar Panels | Operating Voltage / Current |     |     |     | Time | Inspection |   |      | Remark   |
|--------------|-----------------------------|-----|-----|-----|------|------------|---|------|----------|
| String 1     | Panels                      | Vmp | Vdc | Voc | Isc  | 11:30      | ✓ | Pass | Not Pass |
| String 2     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 3     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 4     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 5     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 6     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 7     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 8     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 9     | Panels                      | Vmp | Vdc | Voc | Isc  | :          |   | Pass | Not Pass |
| String 10    | Panels                      | Vmp | Vdc | Voc | Isc  | :          |   | Pass | Not Pass |
| String 11    | Panels                      | Vmp | Vdc | Voc | Isc  | :          |   | Pass | Not Pass |
| String 12    | Panels                      | Vmp | Vdc | Voc | Isc  | :          |   | Pass | Not Pass |

### After Preventive Maintenance Solar System

| Solar Panels | Operating Voltage / Current |     |     |     | Time | Inspection |   |      | Remark   |
|--------------|-----------------------------|-----|-----|-----|------|------------|---|------|----------|
| String 1     | Panels                      | Vmp | Vdc | Voc | Isc  | 12:45      | ✓ | Pass | Not Pass |
| String 2     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 3     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 4     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 5     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 6     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 7     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 8     | Panels                      | Vmp | Vdc | Voc | Isc  | :          | ✓ | Pass | Not Pass |
| String 9     | Panels                      | Vmp | Vdc | Voc | Isc  | :          |   | Pass | Not Pass |
| String 10    | Panels                      | Vmp | Vdc | Voc | Isc  | :          |   | Pass | Not Pass |
| String 11    | Panels                      | Vmp | Vdc | Voc | Isc  | :          |   | Pass | Not Pass |
| String 12    | Panels                      | Vmp | Vdc | Voc | Isc  | :          |   | 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 :       | 234.9 Vac. | Phase L1 to Grd :              | 236.3 Vac. | Phase L1 to Grd :           | 237.0 Vac. | Phase L1 to Grd :      | Vac. |
|          | Phase L2 to Grd :       | 232.4 Vac. | Phase L2 to Grd :              | 234.1 Vac. | Phase L2 to Grd :           | 234.9 Vac. | Phase L2 to Grd :      | Vac. |
|          | Phase L3 to Grd :       | 235.8 Vac. | Phase L3 to Grd :              | 234.0 Vac. | Phase L3 to Grd :           | 236.2 Vac. | Phase L3 to Grd :      | Vac. |
|          | AC Line Current         |            | AC Line Current                |            | AC Line Current             |            |                        |      |
|          | Phase L1 to Grd :       | 16.45 A.   | Phase L1 to Grd :              | 27.60 A.   | Phase L1 to Grd :           | 10.80 A.   |                        |      |
|          | Phase L2 to Grd :       | 9.91 A.    | Phase L2 to Grd :              | 26.80 A.   | Phase L2 to Grd :           | 10.80 A.   |                        |      |
|          | Phase L3 to Grd :       | 12.36 A.   | Phase L3 to Grd :              | 26.60 A.   | Phase L3 to Grd :           | 11.40 A.   |                        |      |

Comment :

Inspection By :

( Benham Libney ) Project Engineer

Date : / /