



## UI GreenMetric Questionnaire

University : SONGKHLA RAJABHAT UNIVERSITY  
 Country : Thailand  
 Web Address : [www.skru.ac.th](http://www.skru.ac.th)

### [2] Energy and Climate Change (EC)

#### [2.5] Renewable Energy Sources in Campus (EC.3)

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|   |   |
| <p>Information Technology Building No.59 : Solar cell 30kW</p>                      | <p>Academic Resources Building No.34 :Solar cell 10 kW</p>                           |
|  |  |
| <p>Office of The President Building No.48 (Old) : Solar cell 10 kW</p>              | <p>Office of The President Building No.48 (New) : Solar cell 20kW</p>                |
|  |  |
| <p>อาคารสถานพืชสวน : Solar cell 10 kW</p>                                           | <p>Faculty of Education Building No.68 : 20 kW</p>                                   |



**Faculty of Science and Technology Building No.10 : Solar cell 16.5 kW**



**Faculty of Industrial Technology Building No.74 : Solar cell 20 kW**



**Faculty of Humanities and Social Sciences No.4 : Solar cell**



**Clean Biomass :800 Kwp**



## Description:

### 1. Renewable Energy Resources

| No. | Renewable Energy Resources | Number (sources) |      |      |
|-----|----------------------------|------------------|------|------|
|     |                            | 2024             | 2025 | 2026 |
| 1   | Solar cell                 | 1                | 2    | 2    |
|     | <b>Total</b>               |                  |      |      |

### 2. Electrical Energy Sources

| No. | Solar panel                                                     | Power (kW)   | Quantity |
|-----|-----------------------------------------------------------------|--------------|----------|
| 1   | Information Technology Building No.59 Ongrid Solar roof top     | 30           | 1        |
| 2   | Academic Resources Building No.34 Ongrid Solar roof top         | 10           | 1        |
| 3   | Office of The President Building No.48 (Old) Solar roof top     | 10           | 1        |
| 4   | Office of The President Building No.48 (New) Solar roof top     | 20           | 1        |
| 5   | อาคารสถานที่พิเศษ Solar roof top                                | 10           | 1        |
| 6   | Faculty of Education Building No.68 Solar roof top              | 20           | 1        |
| 7   | Faculty of Science and Technology Building No.10 Solar roof top | 16.5         | 1        |
| 8   | Faculty of Industrial Technology Building No.74 Solar roof top  | 10           | 1        |
| 9   | Facutly of Humanities and Social Sciences No.4                  | 20           | 1        |
| 10  | Biomass                                                         | 800          | 1        |
|     | <b>Total</b>                                                    | <b>946.5</b> | <b>9</b> |

### 3. Reneeable energy production per year

| No. | Renewable Energy sources | 2026<br>(kWh)<br>(kW*12*365) |
|-----|--------------------------|------------------------------|
| 1   | Solar cell               | 641,670                      |
| 2   | Biomass                  | 3,504,000                    |
|     | <b>Total</b>             | <b>4,145,670</b>             |

Songkhla Rajabhat University is resolutely committed to driving institutional sustainability through the strategic deployment of Renewable Energy Integration. By blending clean energy—including an 800 kWp Biomass power generation system and a 146.5 kWp advanced solar technology system—with the main electrical grid, the university effectively subsidizes daytime peak demand across academic buildings, administrative offices, and high-load HVAC systems. Concurrently, this infrastructure serves as a 'Living Laboratory' and a public learning hub, fostering advanced education in sustainable technology. Furthermore, during the period 2026–2027, the university plans to install an additional 997 kWp of hybrid solar photovoltaic (PV) systems.