1. Make measurement of VA characteristic of the monocrystalline photovoltaic panel at room temperature (25°C – 30°C).
2. Make measurement of VA characteristic of the monocrystalline photovoltaic panel at temperature higher than 45°C.
3. Draw both characteristics to the same plot.

Temperature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U (V) | 0 |  |  |  |  |  |  |  |  |
| I (A) |  |  |  |  |  |  |  |  | 0 |

Temperature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U (V) | 0 |  |  |  |  |  |  |  |  |
| I (A) |  |  |  |  |  |  |  |  | 0 |

1. Make measurement of VA characteristic of the amorphous photovoltaic panel at room temperature (25°C – 30°C).
2. Make measurement of VA characteristic of the amorphous photovoltaic panel at temperature higher than 45°C.
3. Draw both characteristics to the same plot.

Temperature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U (V) | 0 |  |  |  |  |  |  |  |  |
| I (A) |  |  |  |  |  |  |  |  | 0 |

Temperature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U (V) | 0 |  |  |  |  |  |  |  |  |
| I (A) |  |  |  |  |  |  |  |  | 0 |

1. Make measurement of VA characteristic of the monocrystalline photovoltaic panel at room temperature (25°C – 30°C).
2. Make measurement of VA characteristic of the amorphous photovoltaic panel at room temperature (25°C – 30°C).
3. Calculate parameters RS, RP, FF for both panels.

PV panel type:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U (V) | 0 |  |  |  |  |  |  |  |  |
| I (A) |  |  |  |  |  |  |  |  | 0 |
| P (W) | 0 |  |  |  |  |  |  |  | 0 |

RS=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

RP= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FF= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PV panel type:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| U (V) | 0 |  |  |  |  |  |  |  |  |
| I (A) |  |  |  |  |  |  |  |  | 0 |
| P (W) | 0 |  |  |  |  |  |  |  | 0 |

RS=\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

RP= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FF= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_