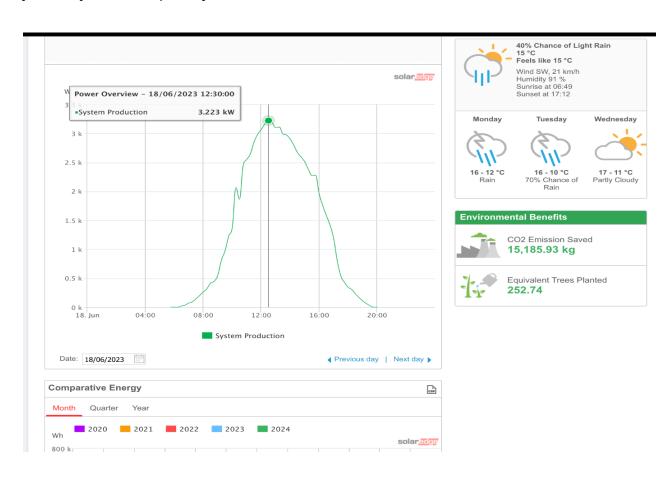
Empirical method of calculation of solar generation for a location.

Method 1- This method gives more accurate and consistent data since it takes care of all the factors like operational losses, efficiency, tilt angle etc.

Calculation of hourly per kW solar generation based on the data from solar portals

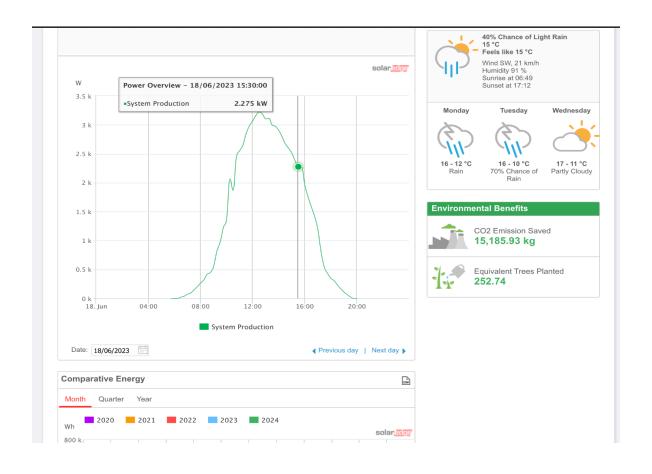
https://monitoringpublic.solaredge.com/solaredge-web/p/site/public?name=Davis% 20-%20Selma&locale=en_GB#/dashboard

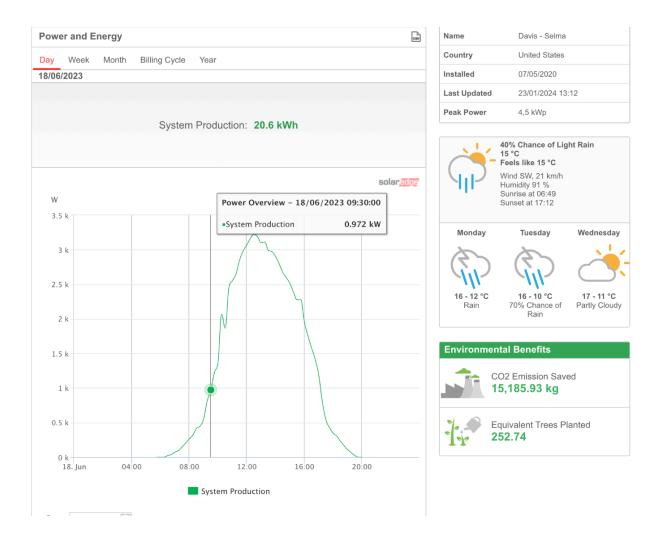
Based on the practical data from the site, per kW data is derived by dividing the yield by total capacity



Here Plant Capacity = 4.5 kW Generation 12-1 PM = 3.223 kW (from graph data)

Total Generation = per kW X installed capacity





Time	Per kW Generation	Total Generation
June	Watts	
8:00-9:00	178	
9-10	234	
10-11	378	
11-12	612	
12-1	716	
1-2	597	
2-3	426	
3-4	233	

4-5	198	
5-6	145	