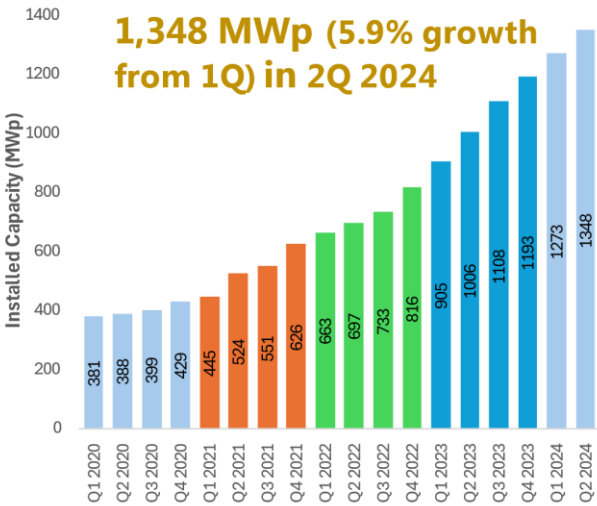




# SOLAR PV SNAPSHOT OF SINGAPORE 2Q 2024

## Installed capacity



## Top Contributors based on Installed Capacity



## Top Contributors based on Number of Solar Installations



## Planned Installations



Additional  
**~105.6 MWp**

of installed capacity expected by 4Q 2024.

## Energy Storage Systems



**205.4 MW**

of installed ESS capacity has been turned on as of 2Q 2024.

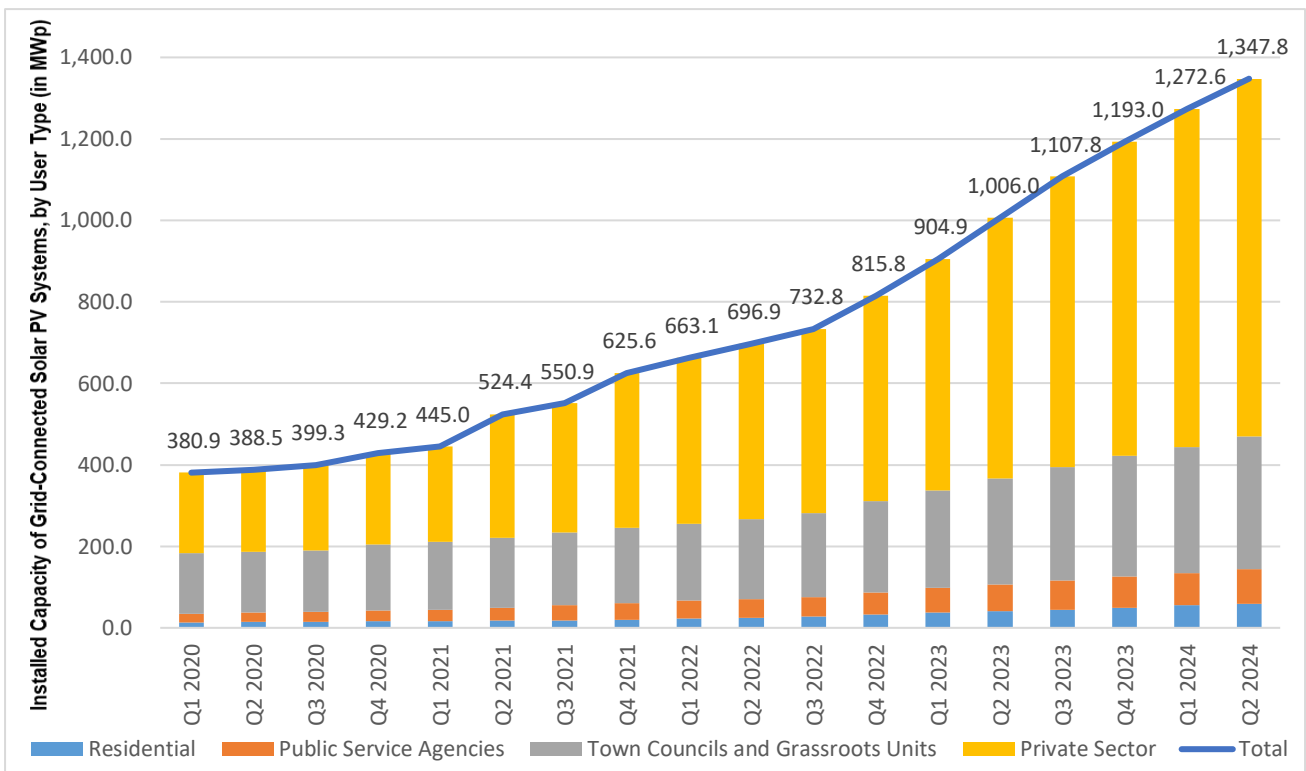
## SINGAPORE SOLAR PHOTOVOLTAIC REPORT 2Q 2024

1. This report provides an update on the key solar photovoltaic (PV) statistics (i.e., installed capacity and number of installations) in Singapore for 2Q 2024.
2. There were 9,763 grid-connected solar PV installations as at end 2Q 2024, with a combined installed capacity of 1,347.8 megawatt-peak (MWp) (see [Annex A](#) and [B](#)).

### Installed Capacity

3. The total installed capacity of grid-connected solar PV systems was 1,347.8 MWp as at end 2Q 2024. This was a 5.9% (or 75.2 MWp) increase from the preceding quarter, attributed to 438 new installations in 2Q 2024.
4. The private sector contributed to majority of the solar PV capacity (65.1% or 877.3 MWp), followed by town councils & public housing common services (24.3% or 327.2 MWp). The remaining PV capacity contributions were from public service agencies (6.3% or 84.5 MWp) and residential sector (4.4% or 58.7 MWp) (see [Annex A](#)).
5. [Figure 1](#) provides a snapshot of the installed capacity of grid-connected solar PV installations from 1Q 2020 to 2Q 2024.

**Figure 1: Installed Capacity of Grid-Connected Solar PV Systems (in MWp), 1Q 2020 – 2Q 2024 (as at end of each quarter)**



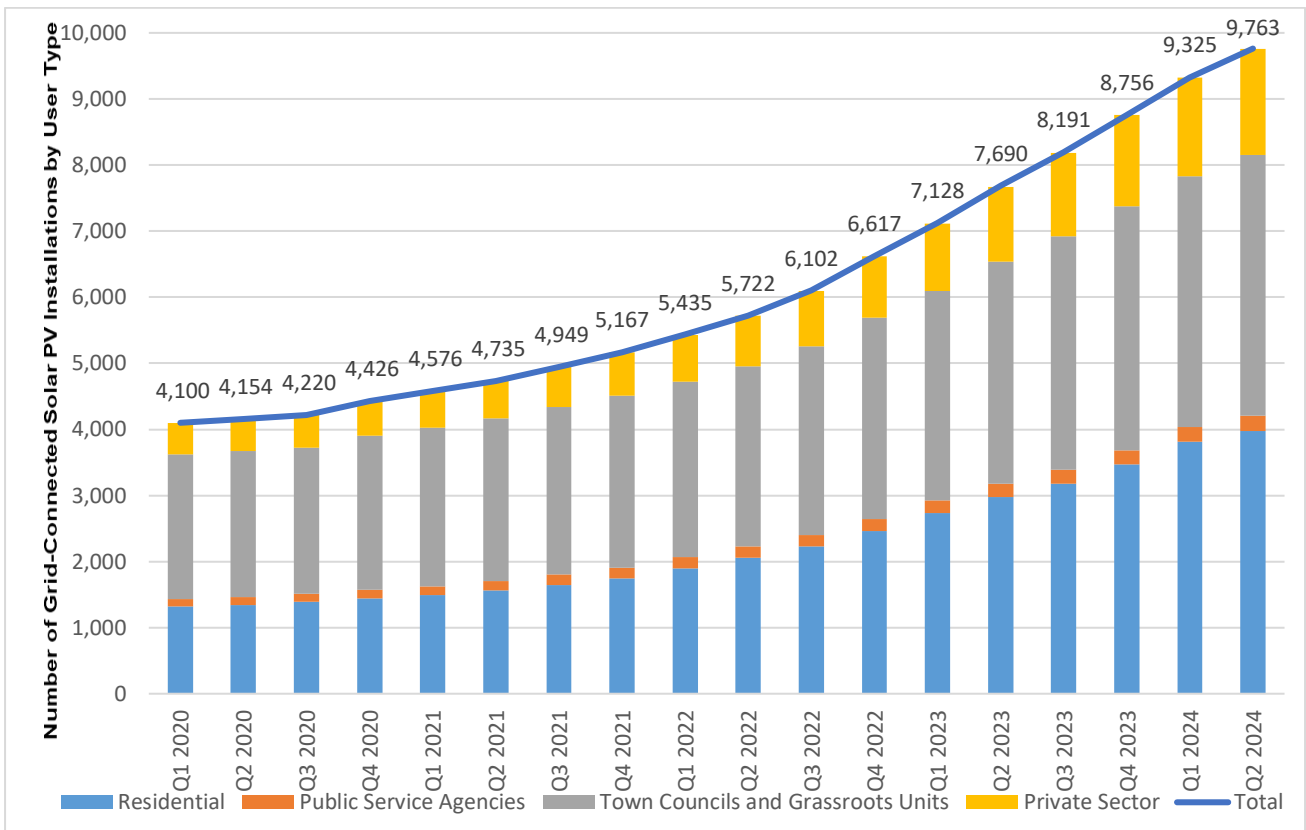
**Note:**

Historical values have been revised with the incorporation of latest information from SP on de-commissioned installations and reclassification of installations.

**Number of Installations**

6. There were 438 new grid-connected solar PVs installed in Q2 2024, bringing the total number of installations in Singapore to 9,763.
7. Residential accounted for majority (40.7% or 3,974 installations) of total installations, followed by town councils & public housing common services (40.4% or 3,945 installations) and private (16.5% or 1,611 installations) sectors. Public service agencies constituted the remaining (2.4% or 233 installations) of total installations (see Annex B).
8. Figure 2 provides a snapshot of the number of grid-connected solar PV installations from 2020 to 2Q 2024.

**Figure 2: Number of Grid-Connected Solar PV Installations, 1Q 2020 – 2Q 2024 (as at end of each quarter)**



*Note:*  
 Historical values have been revised with the incorporation of latest information from SP on de-commissioned installations and reclassification of installations.

**Planned Installations**

9. As at end 2Q 2024, it is estimated that a combined capacity of around 105.6 MWp is expected for grid-connection by 2H 2024.

**Date: 01 Oct 2024**

ANNEX A

**INSTALLED CAPACITY OF GRID-CONNECTED SOLAR PV SYSTEMS, Q1 2020 – Q2 2024 (AS AT END OF EACH QUARTER)**

	2020				2021				2022				2023				2024	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Total</b>	<b>380.9</b>	<b>388.5</b>	<b>399.3</b>	<b>429.2</b>	<b>445.0</b>	<b>524.4</b>	<b>550.9</b>	<b>625.6</b>	<b>663.1</b>	<b>696.9</b>	<b>732.8</b>	<b>815.8</b>	<b>904.9</b>	<b>1,006.0</b>	<b>1,107.8</b>	<b>1,193.0</b>	<b>1,272.6</b>	<b>1,347.8</b>
<b>Residential</b>	<b>13.8</b>	<b>14.2</b>	<b>14.9</b>	<b>15.6</b>	<b>16.4</b>	<b>17.5</b>	<b>18.7</b>	<b>20.3</b>	<b>22.8</b>	<b>25.3</b>	<b>28.2</b>	<b>32.4</b>	<b>37.1</b>	<b>41.2</b>	<b>44.7</b>	<b>49.6</b>	<b>55.9</b>	<b>58.7</b>
<b>Non-Residential</b>	<b>367.1</b>	<b>374.3</b>	<b>384.4</b>	<b>413.6</b>	<b>428.6</b>	<b>506.9</b>	<b>532.2</b>	<b>605.3</b>	<b>640.4</b>	<b>671.6</b>	<b>704.6</b>	<b>783.4</b>	<b>867.8</b>	<b>964.8</b>	<b>1,063.0</b>	<b>1,143.4</b>	<b>1,216.7</b>	<b>1,289.0</b>
Public Service Agencies	21.2	23.0	24.8	27.7	28.3	31.3	37.3	40.0	44.2	45.7	46.9	54.8	61.4	64.9	71.7	76.0	78.4	84.5
Town Councils & Public Housing Common Services	147.7	148.9	149.9	160.6	166.4	171.4	178.0	184.8	188.9	196.1	205.9	223.8	238.3	261.1	278.3	297.4	309.4	327.2
Private Sector	198.2	202.4	209.8	225.4	234.0	304.2	316.9	380.5	407.3	429.8	451.8	504.8	568.2	638.8	713.0	770.0	828.9	877.3

Unit: MWp

Source: SP PowerGrid Ltd (SPPG)

	2020				2021				2022				2023				2024	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Total</b>	<b>293.3</b>	<b>299.1</b>	<b>307.4</b>	<b>330.5</b>	<b>342.6</b>	<b>403.8</b>	<b>424.2</b>	<b>481.7</b>	<b>510.6</b>	<b>536.6</b>	<b>564.2</b>	<b>628.2</b>	<b>696.8</b>	<b>774.6</b>	<b>853.0</b>	<b>918.6</b>	<b>979.9</b>	<b>1,037.8</b>
<b>Residential</b>	<b>10.6</b>	<b>10.9</b>	<b>11.4</b>	<b>12.0</b>	<b>12.6</b>	<b>13.4</b>	<b>14.4</b>	<b>15.6</b>	<b>17.5</b>	<b>19.5</b>	<b>21.7</b>	<b>24.9</b>	<b>28.6</b>	<b>31.7</b>	<b>34.4</b>	<b>38.2</b>	<b>43.0</b>	<b>45.2</b>
<b>Non-Residential</b>	<b>282.6</b>	<b>288.2</b>	<b>296.0</b>	<b>318.5</b>	<b>330.0</b>	<b>390.3</b>	<b>409.8</b>	<b>466.1</b>	<b>493.1</b>	<b>517.1</b>	<b>542.5</b>	<b>603.2</b>	<b>668.2</b>	<b>742.9</b>	<b>818.5</b>	<b>880.4</b>	<b>936.9</b>	<b>992.6</b>
Public Service Agencies	16.3	17.7	19.1	21.3	21.8	24.1	28.8	30.8	34.0	35.2	36.1	42.2	47.2	50.0	55.2	58.6	60.4	65.1
Town Councils & Public Housing Common Services	113.7	114.6	115.4	123.6	128.1	132.0	137.0	142.3	145.4	151.0	158.6	172.3	183.5	201.0	214.3	229.0	238.2	251.9
Private Sector	152.6	155.9	161.5	173.6	180.2	234.2	244.0	293.0	313.6	331.0	347.9	388.7	437.5	491.9	549.0	592.9	638.3	675.5

Unit: MWac

Source: SP PowerGrid Ltd (SPPG) & Energy Market Authority (EMA)

**Note:**

- a. Historical values have been revised with the incorporation of new information on de-commissioned installations and reclassification of installations.
- b. Figures may not add up to the total due to rounding.
- c. MWp refers to megawatt peak, which is a typical measure of the installed nameplate capacity of solar PV systems. MWp represents the amount of electric power than can be produced by a solar PV system at its peak.
- d. MWac refers to the Alternating Current (AC) capacity of the inverters used in solar PV installations.

ANNEX B

**NUMBER OF GRID-CONNECTED SOLAR PV INSTALLATIONS, Q1 2020 – Q2 2024 (AS AT END OF EACH QUARTER)**

	2020				2021				2022				2023				2024	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
<b>Total</b>	<b>4,100</b>	<b>4,154</b>	<b>4,220</b>	<b>4,426</b>	<b>4,576</b>	<b>4,735</b>	<b>4,949</b>	<b>5,167</b>	<b>5,435</b>	<b>5,722</b>	<b>6,102</b>	<b>6,617</b>	<b>7,128</b>	<b>7,690</b>	<b>8,191</b>	<b>8,756</b>	<b>9,325</b>	<b>9,763</b>
<b>Residential</b>	<b>1,318</b>	<b>1,346</b>	<b>1,389</b>	<b>1,442</b>	<b>1,492</b>	<b>1,563</b>	<b>1,650</b>	<b>1,749</b>	<b>1,903</b>	<b>2,055</b>	<b>2,227</b>	<b>2,464</b>	<b>2,742</b>	<b>2,983</b>	<b>3,181</b>	<b>3,467</b>	<b>3,812</b>	<b>3,974</b>
<b>Non-Residential</b>	<b>2,782</b>	<b>2,808</b>	<b>2,831</b>	<b>2,984</b>	<b>3,084</b>	<b>3,172</b>	<b>3,299</b>	<b>3,418</b>	<b>3,532</b>	<b>3,667</b>	<b>3,875</b>	<b>4,153</b>	<b>4,386</b>	<b>4,707</b>	<b>5,010</b>	<b>5,289</b>	<b>5,513</b>	<b>5,789</b>
Public Service Agencies	118	122	125	131	132	141	152	161	169	173	175	181	188	197	205	216	221	233
Town Councils & Public Housing Common Services	2,186	2,203	2,211	2,336	2,405	2,460	2,539	2,603	2,654	2,726	2,858	3,049	3,176	3,369	3,542	3,699	3,800	3,945
Private Sector	478	483	495	517	547	571	608	654	709	768	842	923	1022	1141	1263	1374	1492	1611

Source: SP PowerGrid Ltd (SPPG)

Note:

- a. Historical values have been revised with the incorporation of new information on de-commissioned installations and reclassification of installations.
- b. Town Council & Public Housing Common Services refers to applicants who are from Town Councils and/or provides public housing-common services.