

## SINGAPORE SOLAR PHOTOVOLTAIC REPORT Q4 2024

### Solar Snapshot for Q4 2024

#### Installed Capacity:

1,544 MWp (7.9% growth from Q3 2024)

#### No. of Installations:

10, 978 (4.3% growth from Q3 2024)

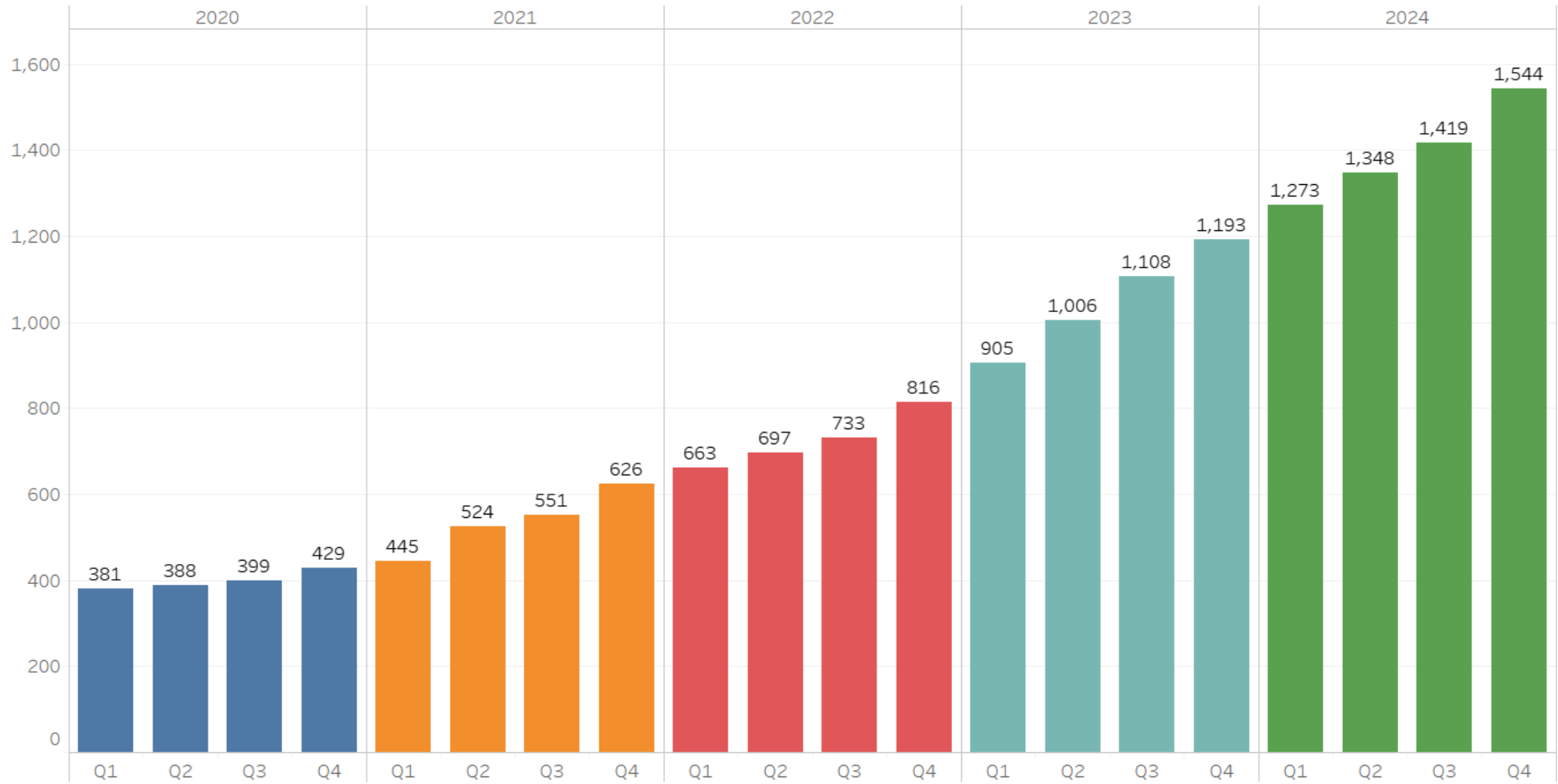
#### Planned Installation (by Q2 2025)

229.7 MWp

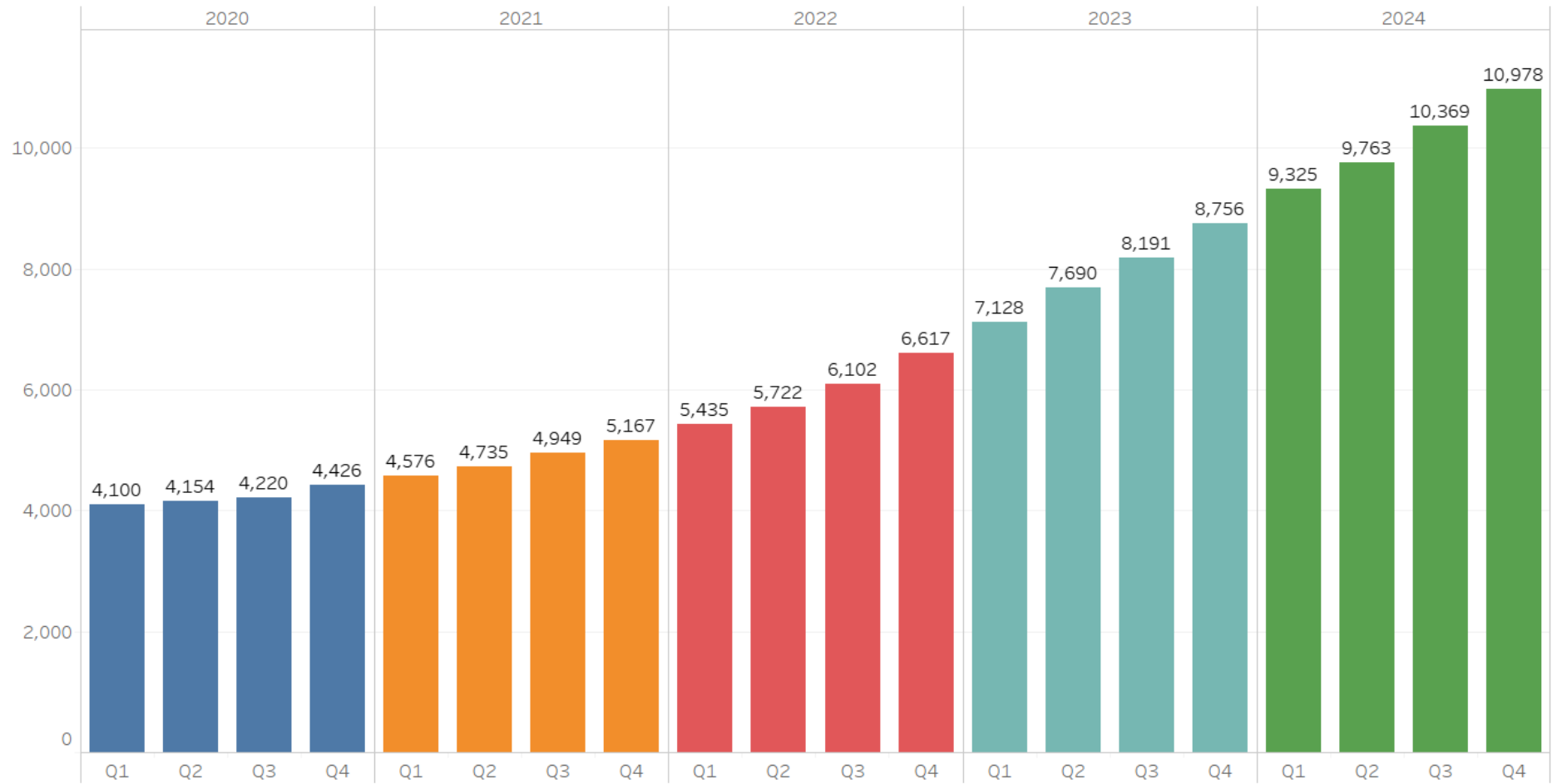
#### Energy Storage System

205.4 MW

## Total Installed Capacity (MWp)



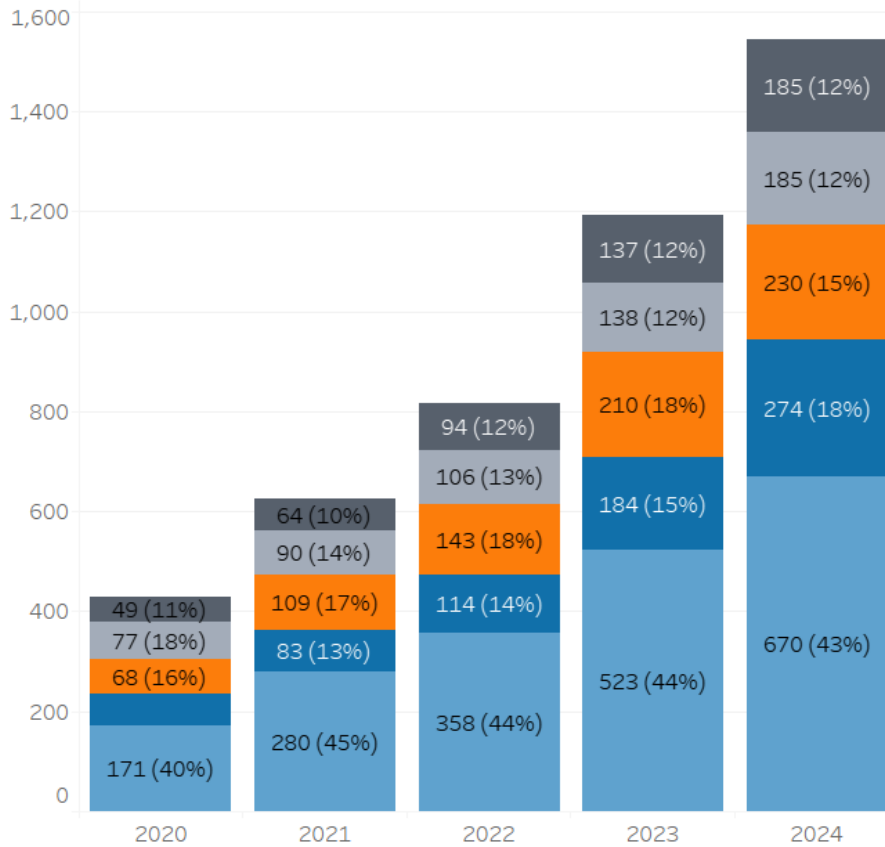
## No. of Installations



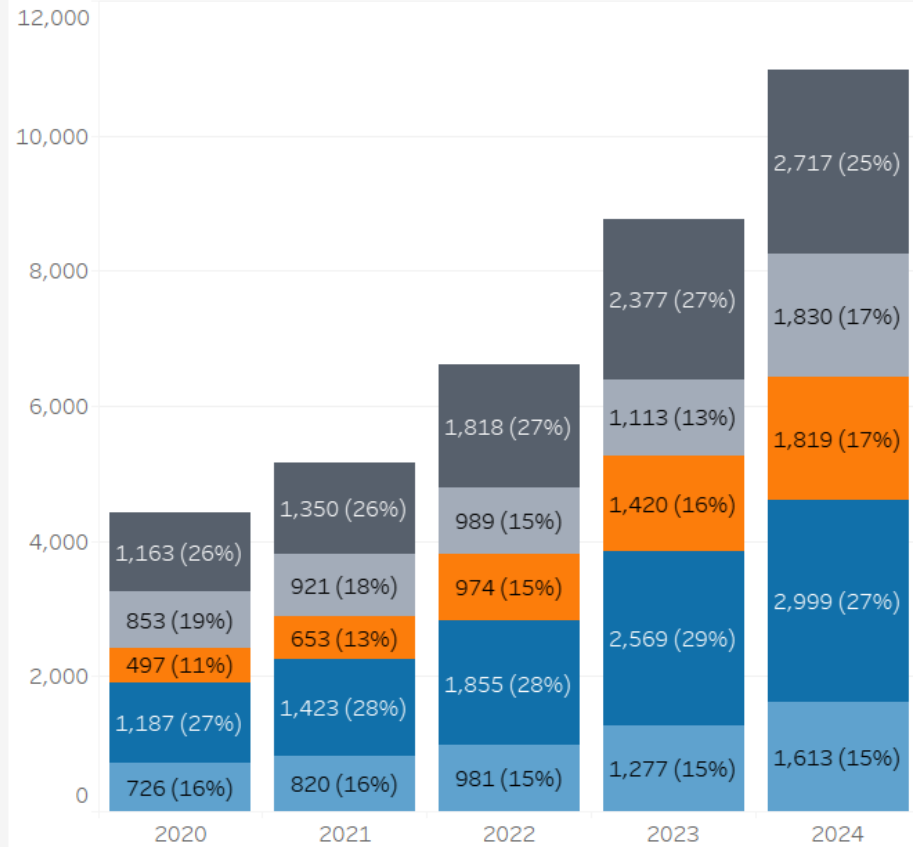
## Installed Capacity (MWp) and No. of Installations by Region

Region: ■ North-East ■ North ■ East ■ Central ■ West

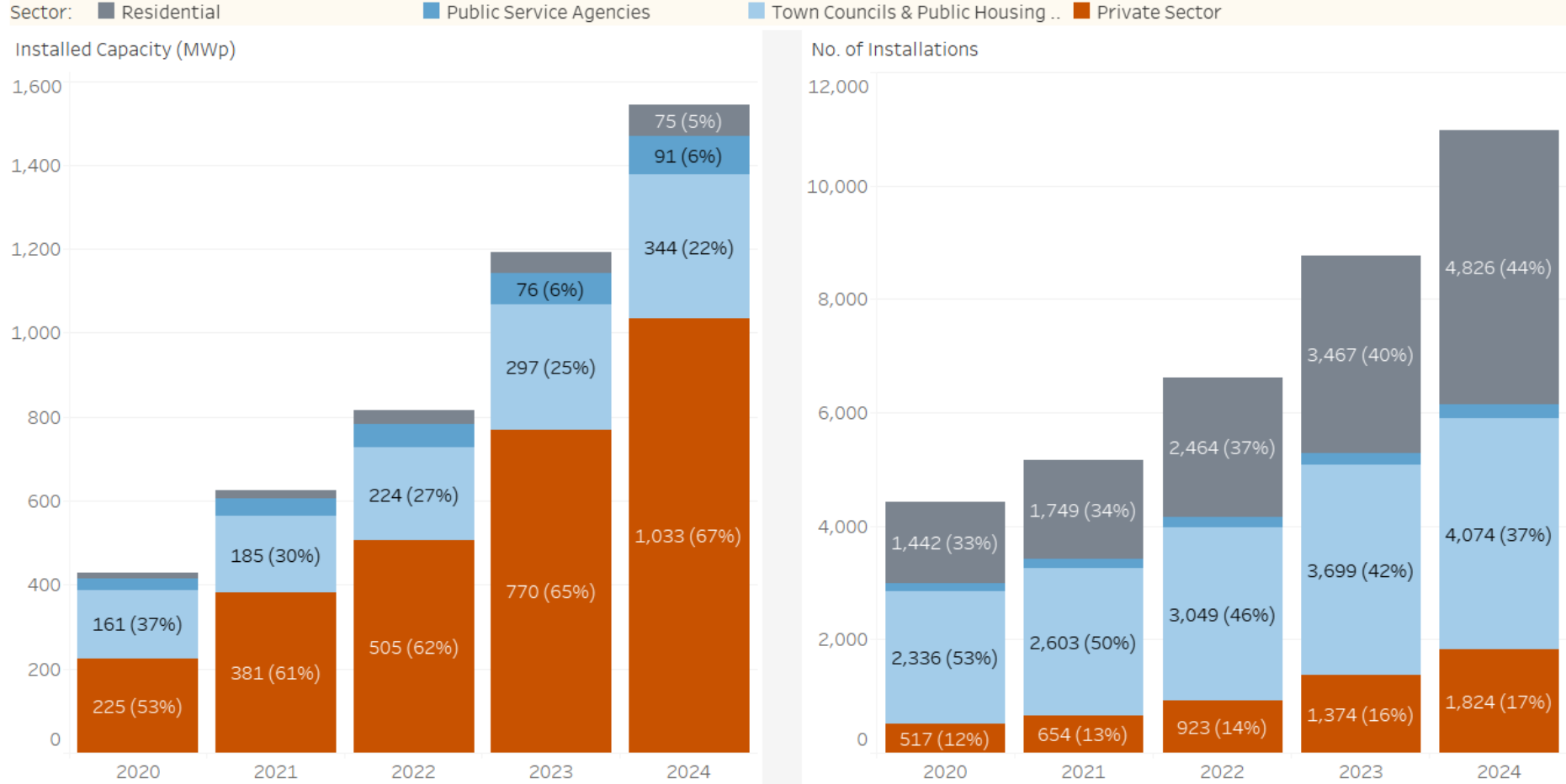
Installed Capacity (MWp)



No. of Installations



## Installed Capacity (MWp) and No. of Installations by Sector



## INSTALLED CAPACITY OF GRID-CONNECTED SOLAR PV SYSTEMS, Q1 2020 – Q4 2024 (AS AT END OF EACH QUARTER)

Unit: MWp

	2020				2021				2022				2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<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>1,418.7</b>	<b>1,543.9</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>67.7</b>	<b>75.2</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>	<b>1,351.0</b>	<b>1,468.7</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	86.6	90.8
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	334.9	344.4
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	929.5	1,033.4

Source: SP PowerGrid Ltd (SPPG)

Unit: MWac

	2020				2021				2022				2023				2024			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<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>1,092.4</b>	<b>1,188.8</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>52.1</b>	<b>57.9</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>	<b>1,040.3</b>	<b>1,130.9</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	66.7	69.9
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	257.9	265.2
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	715.7	795.8

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 total due to rounding.
- c. MWp refers to megawatt peak, which is a typical measure of the installed nameplate capacity for solar PV systems. MWp represents the amount of electric power that can be produced by a solar PV system at its peak under Standard Test Conditions (STC).
- d. MWac refers to the Alternating Current (ac) capacity of the inverters used in solar PV installations.
- e. Town Council & Public Housing Common Services refers to applicants who are from Town Councils and/or provides public housing-common services.

## NUMBER OF GRID-CONNECTED SOLAR PV INSTALLATIONS, Q1 2020 – Q4 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	Q3	Q4
<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>10,369</b>	<b>10,978</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>4,423</b>	<b>4,826</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>	<b>5,946</b>	<b>6,152</b>
Public Service Agencies	118	122	125	131	132	141	152	161	169	173	175	181	188	197	205	216	221	233	239	254
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	4,004	4,074
Private Sector	478	483	495	517	547	571	608	654	709	768	842	923	1,022	1,141	1,263	1,374	1,492	1,611	1,703	1,824

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.