

Installed Capacity of Grid-Connected Solar Photovoltaic (PV) Systems by User Type, 2008 - Q2 2021

	Unit: MWp																																																		
	2008	2009				2010				2011				2012				2013				2014				2015				2016				2017				2018				2019				2020				2021	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2									
Total	0.4	0.4	0.7	1.0	1.9	2.9	3.0	3.3	3.8	4.0	4.8	5.5	5.9	6.8	7.6	8.8	10.1	12.0	12.6	14.0	15.3	18.7	22.5	24.8	32.9	36.9	40.3	48.5	59.3	73.4	102.6	118.0	125.5	132.4	140.3	144.2	150.6	156.8	171.1	186.0	207.1	231.6	265.0	303.1	352.9	383.9	388.3	397.8	428.8	445.9	527.0
Residential	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.4	1.6	1.8	2.0	2.3	2.8	3.2	3.6	4.1	4.3	4.6	5.2	5.6	5.9	6.4	6.9	7.4	7.9	8.6	9.3	9.8	10.7	11.3	12.2	13.1	13.5	14.2	14.9	15.7	16.7
Non-Residential	0.3	0.4	0.6	0.9	1.9	2.8	2.9	3.2	3.7	3.8	4.6	5.3	5.7	6.5	7.2	8.3	9.4	11.2	11.7	13.0	14.2	17.3	20.9	23.1	30.9	34.6	37.5	45.3	55.7	69.3	98.3	113.4	120.3	126.8	134.4	137.8	143.7	149.5	163.2	177.4	197.9	221.7	254.4	291.7	340.8	370.8	374.8	383.6	413.9	430.2	510.3
Public Service Agencies	0.2	0.2	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	1.0	1.2	1.5	1.5	1.8	2.0	2.0	2.1	2.1	2.3	2.3	2.4	3.1	3.2	3.5	3.9	4.0	4.0	5.0	5.0	5.4	6.2	6.3	6.3	6.6	7.1	7.3	8.8	10.1	10.3	11.8	13.4	19.8	20.4	21.6	22.1	24.8	25.4	28.4
Town Councils & Grassroots Units	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.9	1.4	1.5	1.7	2.0	2.9	3.6	4.1	4.1	4.1	4.4	6.5	7.9	8.1	9.5	9.7	11.1	12.0	15.1	23.4	40.8	52.3	57.0	58.8	60.5	61.4	62.4	62.5	67.5	71.8	83.0	93.4	103.6	117.9	134.4	148.3	149.5	150.5	161.3	167.6	172.2
Private Sector	0.1	0.1	0.2	0.5	1.4	2.2	2.3	2.5	2.6	2.7	3.0	3.1	3.1	3.6	3.8	3.8	4.1	5.2	5.7	6.8	7.7	8.6	10.6	12.6	18.3	21.6	22.8	29.4	36.7	41.9	52.5	56.1	58.0	61.8	67.6	70.1	74.6	79.9	88.4	96.8	104.8	118.1	139.0	160.5	186.6	202.0	203.6	211.0	227.8	237.2	309.7

Source: SP PowerGrid Ltd (SPPG)

	Unit: MWac																																																		
	2008	2009				2010				2011				2012				2013				2014				2015				2016				2017				2018				2019				2020				2021	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2									
Total	0.3	0.3	0.5	0.8	1.5	2.2	2.3	2.6	2.9	3.1	3.7	4.3	4.6	5.2	5.8	6.8	7.7	9.2	9.7	10.7	11.8	14.4	17.3	19.1	25.3	28.4	31.0	37.3	45.7	56.5	79.0	90.9	96.6	101.9	108.0	111.1	115.9	120.8	131.7	143.2	159.5	178.3	204.1	233.4	271.8	295.6	299.0	306.3	330.2	343.3	405.8
Residential	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.8	0.9	1.1	1.3	1.4	1.5	1.8	2.1	2.5	2.8	3.1	3.3	3.5	4.0	4.3	4.5	4.9	5.3	5.7	6.1	6.6	7.1	7.6	8.2	8.7	9.4	10.1	10.4	10.9	11.5	12.1	12.9
Non-Residential	0.2	0.3	0.5	0.7	1.4	2.2	2.3	2.5	2.9	3.0	3.5	4.1	4.4	5.0	5.6	6.4	7.3	8.7	9.0	10.0	10.9	13.3	16.1	17.8	23.8	26.6	28.9	34.9	42.9	53.4	75.7	87.3	92.6	97.7	103.5	106.1	110.6	115.1	125.7	136.6	152.4	170.7	195.9	224.6	262.4	285.5	288.6	295.4	318.7	331.2	392.9
Public Service Agencies	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.8	0.9	1.1	1.1	1.4	1.5	1.6	1.6	1.6	1.7	1.8	1.9	2.4	2.5	2.7	3.0	3.0	3.1	3.8	3.8	4.1	4.8	4.8	4.8	5.1	5.5	5.6	6.7	7.8	7.9	9.1	10.3	15.3	15.7	16.6	17.0	19.1	19.5	21.9
Town Councils & Grassroots Units	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.4	0.7	1.1	1.2	1.3	1.5	2.3	2.8	3.1	3.1	3.1	3.4	5.0	6.1	6.2	7.3	7.5	8.6	9.2	11.6	18.0	31.4	40.3	43.9	45.2	46.6	47.3	48.1	48.1	52.0	55.3	63.9	71.9	79.8	90.8	103.5	114.2	115.2	115.9	124.2	129.1	132.6
Private Sector	0.1	0.1	0.1	0.4	1.1	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.4	2.8	2.9	3.0	3.1	4.0	4.4	5.3	5.9	6.6	8.2	9.7	14.1	16.6	17.6	22.7	28.2	32.3	40.4	43.2	44.6	47.6	52.0	54.0	57.5	61.5	68.1	74.6	80.7	90.9	107.0	123.6	143.7	155.6	156.8	162.5	175.4	182.6	238.4

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.

Last updated on 14 October 2021