

SO UPS Operational Report 2023

7 Interconnected Power Systems (IPS) operated as part of the Russian UPS: IPS of Center, IPS of Middle Volga, IPS of Urals, IPS of North-West, IPS of South, IPS of Siberia and IPS of East.

Total installed capacity – 248,164.88 MW as of 01.01.2024 (increased by 563.11 MW)

Generation – 1,134.0 bln kWh

Consumption –1,121.6 bln kWh

Peak demand – 168,741 MW (11 December)

New peak demand records were set in 6 IPS and 19 Regional Power Systems (RPS).

Generation capacity mix of IPS and UPS of Russia (as of 01.01.2024)

Power System	Total nominal capacity, MW	Thermal		Hydro		Nuclear		Wind		Solar	
		MW	%	MW	%	MW	%	MW	%	MW	%
UPS of Russia	248,164.88	163,711.96	65,98	50,222.58	20,24	29,542.99	11,90	2,517.75	1,01	2,169.60	0,87
IPS of Center	50,439.23	34,840.88	69,07	1,820.07	3,61	13,778.28	27,32	0	0,00	0	0,00
IPS of Middle Volga	28,013.08	16,625.18	59,35	7,050.50	25,17	4,072.00	14,54	85,40	0,30	180,00	0,64
IPS of Urals	53,317.61	49,413.28	92,68	1,943.70	3,64	1,485.00	2,79	1,65	0,00	473,98	0,89
IPS of North-West	25,139.55	15,821.87	62,94	2,974.44	11,83	6,135.79	24,41	207,45	0,82	0	0,00
IPS of South	27,666.71	13,816.67	49,94	6,439.44	23,27	4,071.92	14,72	2,223.25	8,04	1,115.43	4,03
IPS of Siberia	52,376.81	26,599.69	50,83	25,376.93	48,41	0	0,00	0	0,00	400,19	0,76
IPS of East	11,211.89	6,594.39	58,82	4,617.50	41,18	0	0,00	0	0,00	0	0,00