

SO UPS Operational Report 2022

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 – 247,601.8 MW (increased by 1,010.9 MW)

Generation – 1,121.5 bln kWh

Consumption – 1,106.3 bln kWh

Peak demand – 158,864 MW (13 January)

New peak demand records were set in 6 IPS.

Generation capacity mix of IPS and UPS of Russia (as of 01.01.2023)

Power System	Total nominal capacity, MW	Thermal		Hydro		Nuclear		Wind		Solar	
		MW	%	MW	%	MW	%	MW	%	MW	%
UPS of Russia	247,601.80	163,539.40	66,05	50,105.50	20,24	29,543.00	11,93	2,298.40	0,93	2,115.50	0,85
IPS of Center	50,504.60	34,906.20	69,12	1,820.10	3,60	13,778.30	27,28	0	0,00	0	0,00
IPS of Middle Volga	27,979.60	16,615.70	59,39	7,026.50	25,11	4,072.00	14,55	85,40	0,31	180,00	0,64
IPS of Urals	53,171.90	49,292.50	92,70	1,928.70	3,64	1,485.00	2,79	1,70	0,00	464,00	0,87
IPS of North-West	25,104.20	15,794.00	62,91	2,966.40	11,82	6,135.80	24,44	208,0	0,83	0	0,00
IPS of South	27,370.1	13,828.50	50,52	6,395.10	23,37	4,071.90	14,88	2,003.30	7,32	1,071.30	3,91
IPS of Siberia	52,229.50	26,478.10	50,70	25,351.20	48,53	0	0,00	0	0,00	400,2	0,77
IPS of East	11,241.90	6,624.40	58,93	4,617.50	41,07	0	0,00	0	0,00	00,00	0,00