

## SO UPS Operational Report 2024

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. Since January 1, 2024 SO UPS is responsible for system operation and dispatching control in isolated power systems (Norilsk-Taimyr, Kamchatka Territory, Chukotka Autonomous Region, Magadan and Sakhalin regions).

Total installed capacity – 263,717.05 MW as of 01.01.2025 (increased by 618.40 MW)

Installed capacity in isolated power systems – 5,422.21 MW

Generation – 1,180.7 bln kWh; in isolated power systems – 16.2 bln kWh

Consumption – 1,174.1 bln kWh; in isolated power systems – 16.2 bln kWh

Peak demand – 168,273 MW (15 January)

### Generation capacity mix of IPS and UPS of Russia (as of 01.01.2025)

| Power System           | Total nominal capacity, MW | Thermal           |             | Hydro            |             | Nuclear          |             | Wind            |            | Solar           |            |
|------------------------|----------------------------|-------------------|-------------|------------------|-------------|------------------|-------------|-----------------|------------|-----------------|------------|
|                        |                            | MW                | %           | MW               | %           | MW               | %           | MW              | %          | MW              | %          |
| <b>UPS of Russia</b>   | <b>263,717.05</b>          | <b>171,981.05</b> | <b>65,2</b> | <b>50,324.86</b> | <b>19,1</b> | <b>34,542.99</b> | <b>13,1</b> | <b>3,846.04</b> | <b>1,5</b> | <b>3,022.11</b> | <b>1,1</b> |
| IPS of Center          | 49,734.60                  | 35,144.25         | 70,7        | 1,812.07         | 3,6         | 12,778.28        | 25,7        | 0               | 0,00       | 0               | 0,00       |
| IPS of Middle Volga    | 27,990.28                  | 16,582.88         | 59,2        | 7,070.00         | 25,3        | 4,072.00         | 14,5        | 85,40           | 0,30       | 180,00          | 0,7        |
| IPS of Urals           | 53,650.24                  | 49,698.42         | 92,6        | 1,948.39         | 3,6         | 1,485.00         | 2,8         | 1,65            | 0,00       | 516,78          | 1,0        |
| IPS of North-West      | 25,217.15                  | 15,850.78         | 62,9        | 3,023.14         | 12,00       | 6,135.79         | 24,3        | 207,45          | 0,8        | 0               | 0,00       |
| IPS of South           | 43,366.57                  | 21,546.85         | 49,7        | 6,452.13         | 14,9        | 10,071.92        | 23,2        | 3,551.54        | 8,2        | 1,774.13        | 4,00       |
| IPS of Siberia         | 52,518.31                  | 26,535.48         | 50,5        | 25,401.63        | 48,4        | 0                | 0,00        | 0               | 0,00       | 581,20          | 1,1        |
| IPS of East            | 11,239.89                  | 6,622.39          | 58,9        | 4,617.50         | 41,1        | 0                | 0,00        | 0               | 0,00       | 0               | 0,00       |
| Isolated power systems | 5,422.21                   | 2,696.48          | 49,7        | 2,617.3          | 48,3        | 106,00           | 2,0         | 2,43            | 0,00       | 0               | 0,00       |