true

Power Usage Effectiveness (PUE)



Data Center Load

true

Total Facility Energy

Power

- Transformer
- UPS
- Rectifier
- Light
- PUD
- Etc.

Cooling

- Chillers
- Precision Air
- Comfort Air
- Cooling Tower

IT Equipment Energy

IT Load

- Servers
- Storages
- Telco equipment
- Etc.

PUE = Total Facility Energy

IT Equipment Energy

Power Usage Effectiveness 2024



In UPS	%	Out UPS	Non-UPS	Total PUE
(kWh)	Loss	(kWh)	(kWh)	
25,236,110	6.88%	23,499,671	13,675,707	1.656



Power Usage Effectiveness Performance

Year	2021	2022	2023*	2024
Average PUE	1.688	1.684	1.663	1.656
Coverage (% of total ICT population)	100	100	100	100

Note:

- PUE Target 1.700
- Combined Performance True and dtac since 2023

Renewable Energy 2024



Data Center Energy Usage (MWh)	Electricity Generation from Solar Cell (MWh)	Percentage of Renewable Energy of total energy
38,912	13,704	35.22%

% of Renewable Energy (of total energy) = Electricity Generated from Solar Cells X 100

Data Center Energy Used



Renewable Energy Performance

Year	2021	2022	2023*	2024
Total Energy Consumption in Data Centers (MWh)	38,143	37,586	37,437	38,912
Percentage of Renewable Energy (of total energy)	21.79	33.18	34.19	35.22
Percentage of Renewable Energy Target	15.50	25.00	30.00	35.00