

# Energy Consumption Report

Generated on March 26, 2025

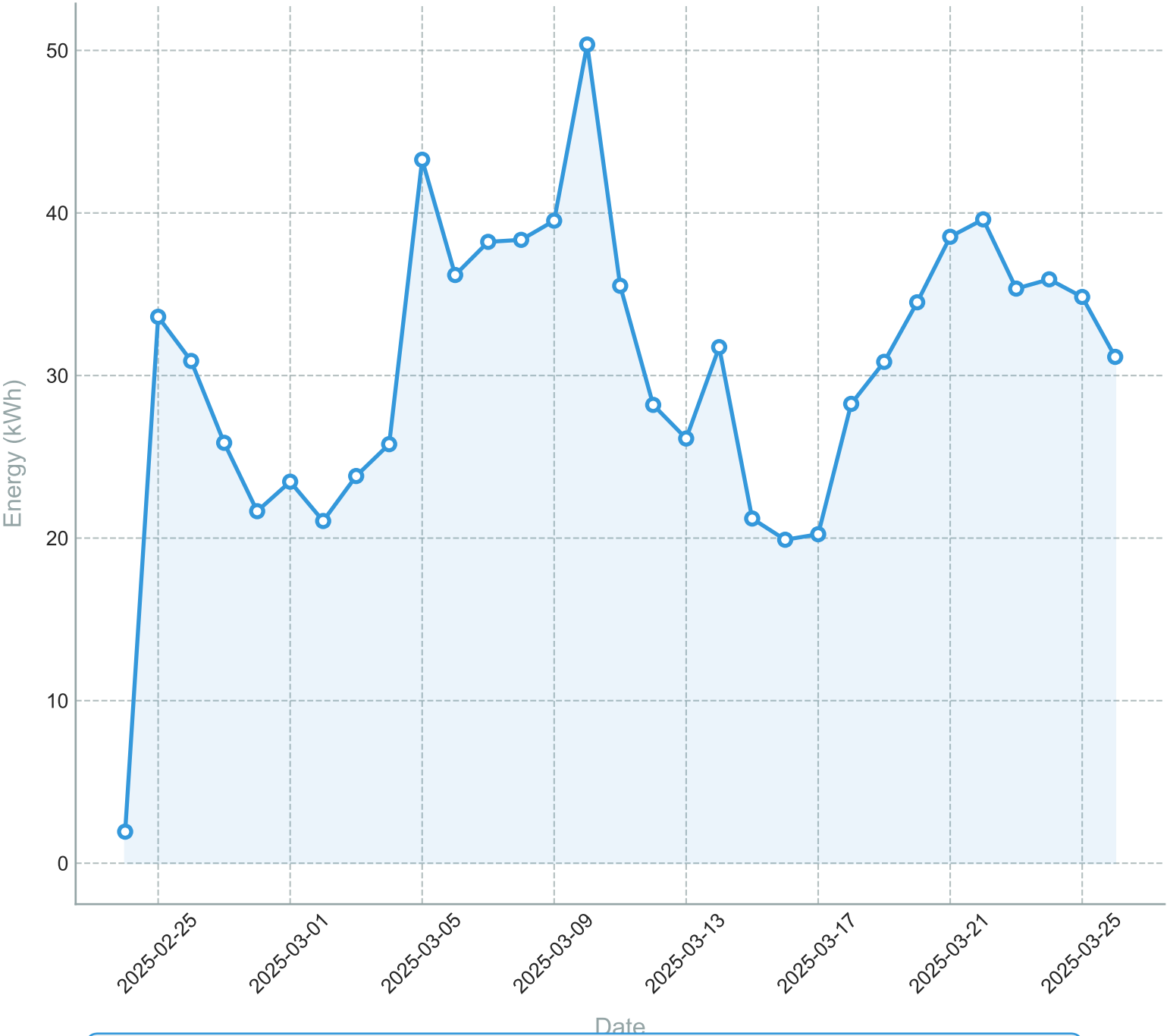
Report for: Test User

## Summary

Total Energy Consumption	945.91 kWh
Estimated Cost	217.56 AED
Date Range	2025-02-24 to 2025-03-26

# Energy Consumption Trends

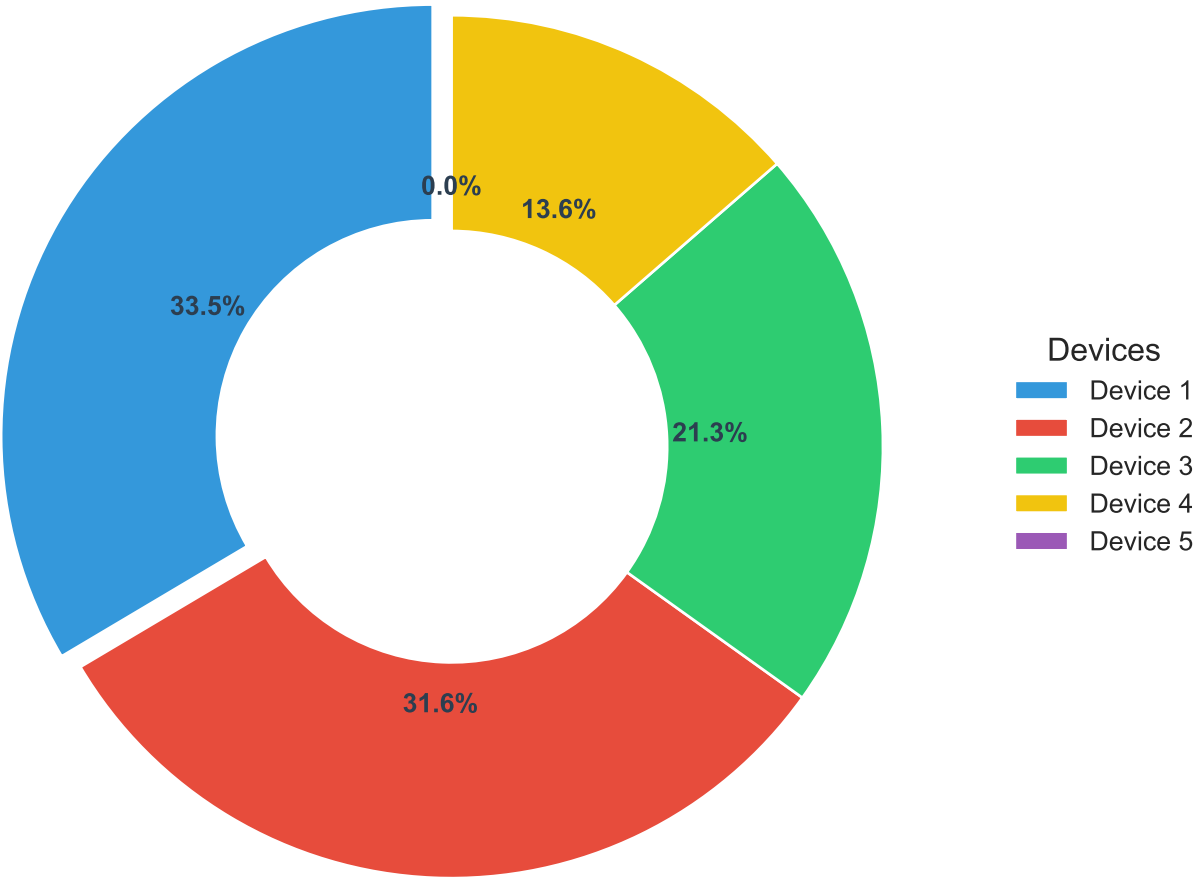
Daily Energy Consumption



Your average daily change in energy consumption is 55.9%. Your most recent change was -10.6%.

# Energy Consumption by Device

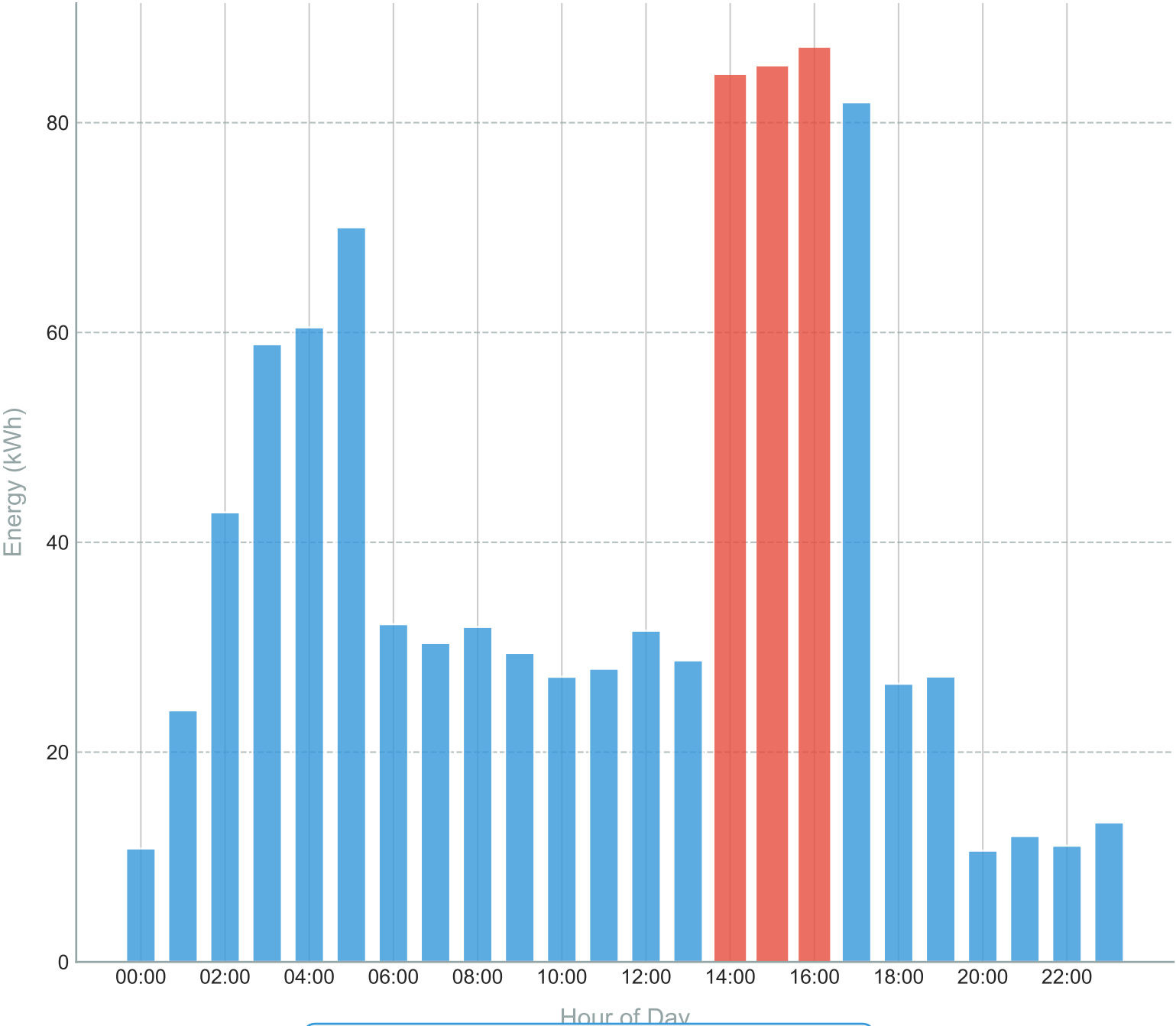
Distribution of Energy Consumption



Device	Energy (kWh)	Percentage	Cost (\$)
Device 1	317.14	33.5%	\$72.94
Device 2	298.81	31.6%	\$68.73
Device 3	201.19	21.3%	\$46.27
Device 4	128.77	13.6%	\$29.62
Device 5	0.00	0.0%	\$0.00

# Usage Patterns

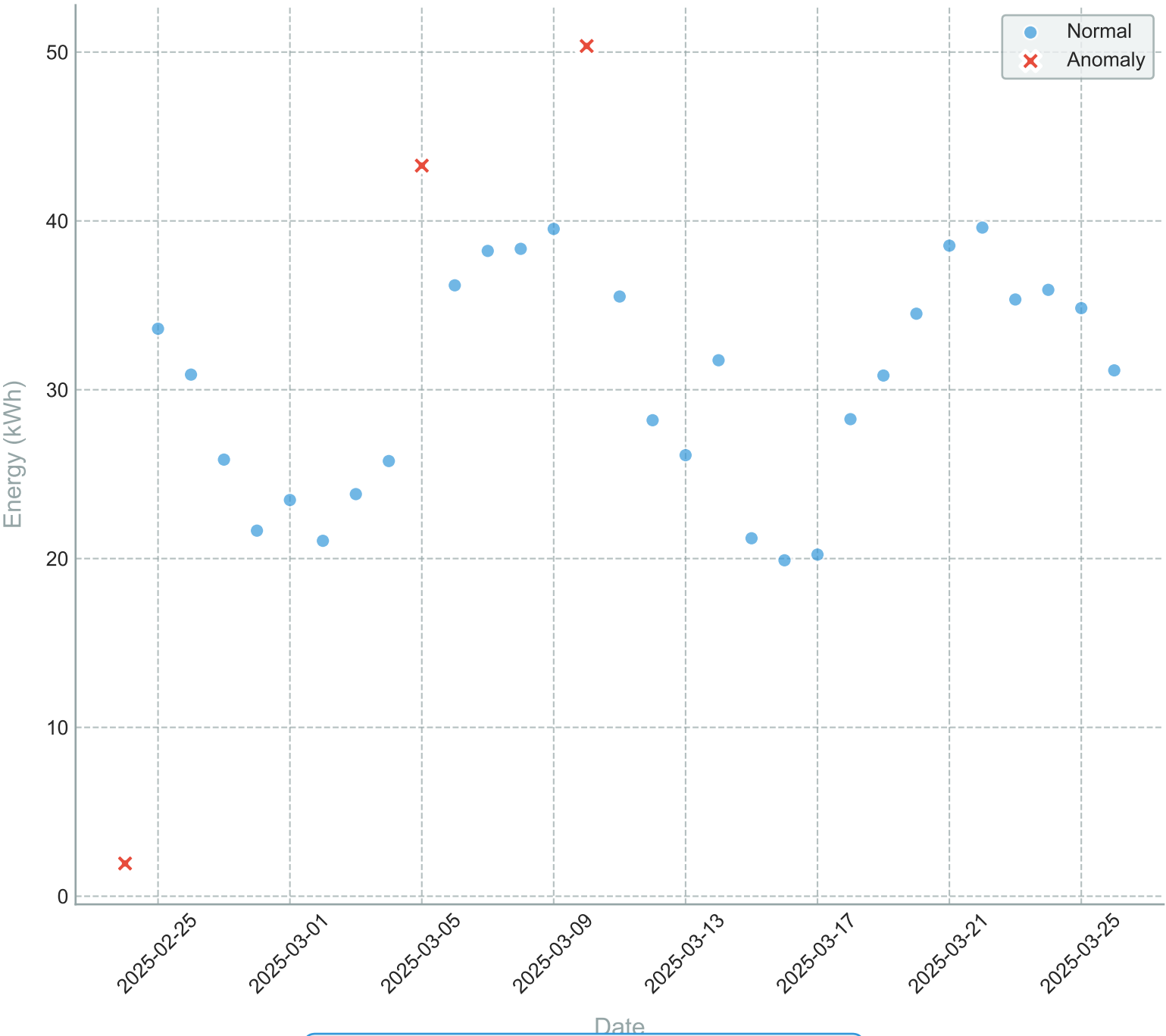
Energy Consumption by Hour of Day



Your peak energy usage occurs at: 16:00, 15:00, 14:00

# Anomaly Detection

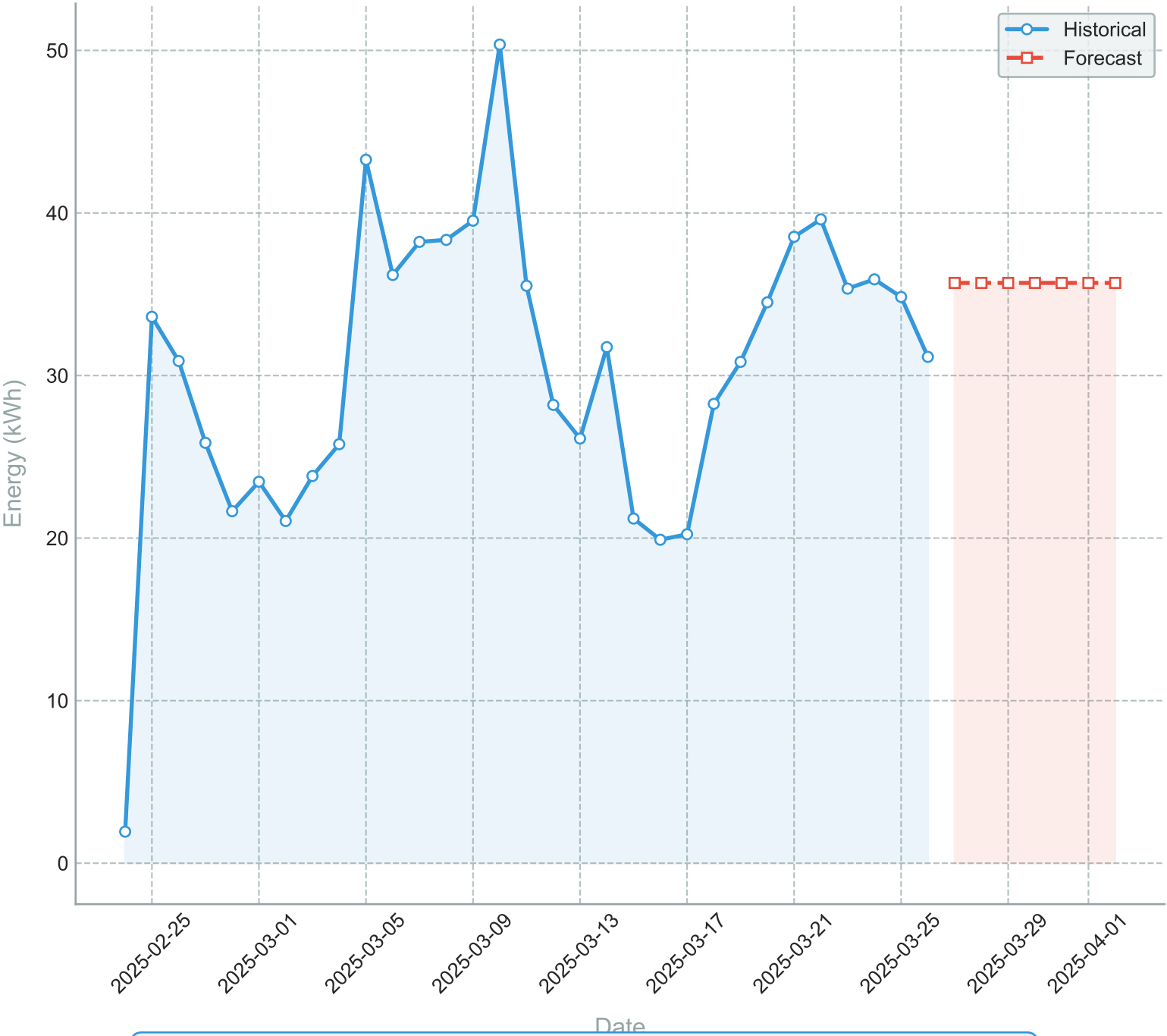
Anomaly Detection in Energy Consumption



We detected 3 anomalies in your energy consumption.

# Energy Consumption Forecast

7-Day Energy Consumption Forecast



Forecasted energy consumption for the next 7 days: 249.89 kWh. Estimated cost: \$57.47.

# Energy Saving Recommendations

☐ Consider using smart power strips to eliminate phantom energy use from devices on standby.

☐ Replace high-energy appliances with energy-efficient models (look for ENERGY STAR ratings).

☐ ☐ Install a programmable thermostat to optimize heating and cooling.

☐ ☐ Use natural light when possible and replace incandescent bulbs with LEDs.

☐ Ensure proper insulation in your home to reduce heating and cooling costs.

☐ Your Device 1 consumes 33.5% of your energy. Consider upgrading to a more efficient model or adjusting usage patterns.

☐ Your peak energy usage occurs around 16:00. Consider shifting energy-intensive activities to off-peak hours.