

# **Electricity Consumption Bill**

**Billing Period: 20-Aug-2025 00:14:17 to 01-Sep-2025 08:02:21**

**Automated Billing System**

Smart Metering Service

01-Sep-2025

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## Chapter 1. Billing Summary

This report summarizes the electricity usage for the period 20-Aug-2025 00:14:17 to 01-Sep-2025 08:02:21. Data was obtained from ThingSpeak (Channel ID: 3040106). Energy usage was calculated as Power × Time. The billing rate is ₦100 per Watt-hour (Wh).

**Total Energy Consumed: 6096.45 Wh**

**Total Bill: ₦609645.22**

Date-Time	Power (W)	Δt (hr)	Energy (Wh)
20-Aug-2025 00:14:17	5.7494586181640628	0.00555555555555555558	0.03194143676757813
20-Aug-2025 00:14:37	10.532385209988274	0.03638888888888888887	0.38326179514123992
20-Aug-2025 00:16:48	5.7494586181640628	0.00555555555555555558	0.03194143676757813
20-Aug-2025 00:17:08	10.532387553546787	0.61333333333333329	6.4598643661753625
20-Aug-2025 00:53:56	5.7494586181640628	0.00555555555555555558	0.03194143676757813
20-Aug-2025 00:54:16	10.532387553546787	0.04888888888888888888	0.51491672484006512
20-Aug-2025 00:57:12	10.412356077765816	0.00555555555555555558	0.057846422654254534
20-Aug-2025 00:57:32	19.074312355269576	0.03944444444444444444	0.7523756540134111
20-Aug-2025 00:59:54	12	0.00527777777777777779	0.06333333333333333339
20-Aug-2025 01:00:13	21.982704639923181	6.426666666666666667	141.27551515257298
20-Aug-2025 07:25:49	12	0.00555555555555555558	0.06666666666666666666
20-Aug-2025 07:26:09	21.982704986039899	0.01277777777777777779	0.28089011926606539
20-Aug-2025 07:26:55	12	0.00555555555555555558	0.06666666666666666666
20-Aug-2025 07:27:15	21.982704639923181	0.01444444444444444444	0.31752795591000149
20-Aug-2025 07:28:07	12	0.00555555555555555558	0.06666666666666666666
20-Aug-2025 07:28:27	21.982704639630089	0.22194444444444444444	4.87893916862901114

## Chapter 1. Billing Summary

Date-Time	Power (W)	$\Delta t$ (hr)	Energy (Wh)
20-Aug-2025 07:41:46	11.247864385324688	0.005555555555555555	0.062488135474026048
20-Aug-2025 07:42:06	20.604873384375306	288.331944444444445	5941.0432079485126
01-Sep-2025 08:02:01	11.922448399895911	0.005555555555555555	0.066235824443866179