Electricity Power & Charge Calculator

Voltage (V)

230

Current (A)

2

Current Rate (sen / kWh)

39

Calculate

Enter rate in **sen/kWh** (e.g. 21.80). This converts to RM by dividing by 100.

Summary

Power: 460.00000 W (0.46000 kW)

Rate: 39.00 sen/kWh = RM 0.3900/kWh

Energy in 1 hour: 0.46000 kWh | **Cost for 1 hour:** RM 0.1794

Energy in 24 hours: 11.04000 kWh | **Total cost for 24 hours:** RM 4.3056

Hour-by-hour table (cumulative)

Hour	Energy (kWh)	Total (RM)
1	0.46000	0.1794
2	0.92000	0.3588
3	1.38000	0.5382
4	1.84000	0.7176
5	2.30000	0.8970
6	2.76000	1.0764
7	3.22000	1.2558
8	3.68000	1.4352
9	4.14000	1.6146

10	4.60000	1.7940
11	5.06000	1.9734
12	5.52000	2.1528
13	5.98000	2.3322
14	6.44000	2.5116
15	6.90000	2.6910
16	7.36000	2.8704
17	7.82000	3.0498
18	8.28000	3.2292
19	8.74000	3.4086
20	9.20000	3.5880
21	9.66000	3.7674
22	10.12000	3.9468
23	10.58000	4.1262
24	11.04000	4.3056

Formulas used: Power (W) = Voltage (V) × Current (A) → convert to kW by dividing by 1000. Energy (kWh) = Power (kW) × Hours. Total (RM) = Energy (kWh) × (Rate in RM/kWh).

Sample reference and layout based on calculator.pdf example and refer to TNB's official page for the latest residential tariff before entering the rate.