

📍 Osun State University Osogbo Campus

🕒 Available

Wastech

Wire Sizing Web Application

(index.html)

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# Single Phase Residential Load Data

S/N	Load	Rating	Breaker Size	Cable Size	Voltage Drop	Actions
1	Lightening circuit	363W	5	1mm	0.02V	Delete
2	Lightening circuit	282W	5	1mm	0.02V	Delete
3	Lightening circuit	132W	5	1mm	0.01V	Delete
4	Socket 13Amps circuit	1800W	10	1.5mm	0.10V	Delete
5	Socket 13Amps circuit	1500W	10	1.5mm	0.08V	Delete
6	Socket 13Amps circuit	1950W	15	2.5mm	0.11V	Delete
7	Socket 13Amps circuit	1650W	10	1.5mm	0.09V	Delete
8	Socket 13Amps circuit	1500W	10	1.5mm	0.08V	Delete
9	AC Circuit I	1500W	15	2.5mm	0.10V	Delete
Total Power (TP):		20.68 kW	Recommended Cable Size:		35mm	
Total Breaker Size (TBS):		125	Total Voltage Drop (TVD):		2.09V	

S/N	Load	Rating	Breaker Size	Cable Size	Voltage Drop	Actions
I0	AC Circuit I	I500W	I5	2.5mm	0.10V	Delete
II	AC Circuit I	I500W	I5	2.5mm	0.10V	Delete
I2	AC Circuit I	I500W	I5	2.5mm	0.10V	Delete
I3	AC Circuit I	I500W	I5	2.5mm	0.10V	Delete
I4	AC Circuit I	I500W	I5	2.5mm	0.10V	Delete
I5	Cooker Unit	2500W	I5	2.5mm	0.14V	Delete
Total Power (TP):		20.68 kW	Recommended Cable Size:		35mm	
Total Breaker Size (TBS):		I25	Total Voltage Drop (TVD):		2.09V	

Perform Analysis

Print Data

Enter Load

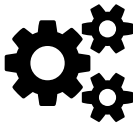
Clear Data



Easy to use



Accurate data



Industry certified



## Quick calculation

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