

Optional Method Dwelling Load Calculator

Keep row-level dwelling load arithmetic visible while preserving the entered method and source records for qualified review.

Generated October 10, 2026

<https://www.elecatrix.com/residential-load-service/optional-method-dwelling-load-calculator/>

Inputs

Input	Value	Unit
Load rows	Rows: 2	
Row 1 - Load label	General load	
Row 1 - Connected load	3000	VA
Row 1 - Demand factor	100	%
Row 2 - Load label	Appliance load	
Row 2 - Connected load	8000	VA
Row 2 - Demand factor	75	%
Method reference	dwelling-method-record-a	
Source reference	dwelling-load-record-a	

Results

Result	Value	Unit
Connected load	11000	VA
Demand load	9000	VA
Diversity allowance	2000	VA
Load row count	2	
Record comparison	Source reference recorded	
Calculation details		

Detail	Value	Unit
Calculation basis	The calculation sums entered loads after applying each entered demand factor.	

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Boundary

Entered-value comparison only; no dwelling method, service size, feeder size, or final load result is made.

Formulas

connected load = sum of entered connected load rows

estimated demand load = sum of connected load x row demand factor / 100

diversity allowance = connected load - estimated demand load

Warnings and limitations

Entered-value comparison only; verify the adopted dwelling method, source rows, load classifications, and qualified review separately.