

PPE Category Screen Calculator

Compare recorded incident energy with a recorded arc rating and show the entered margin while leaving PPE category selection to qualified review.

Generated October 10, 2026

<https://www.elecatrix.com/testing-protection-grounding/ppe-category-screen-calculator/>

Inputs

Input	Value	Unit
Method and version	study-method-v1	
Energy unit basis	cal/cm2	
Entered incident energy	4.2	entered unit
Entered arc rating	8	entered unit
Entered category record	Recorded	
Source reference	record-ppe	

Results

Result	Value	Unit
Entered arc rating	8	entered unit
Entered incident energy	4.2	entered unit
Entered rating margin	3.8	entered unit

Status

Status	Value	Unit
Source note	Source reference recorded	
Record comparison	Entered values are comparable	

Calculation details

Detail	Value	Unit
Calculation basis	The calculation subtracts entered incident energy from the entered arc-rating record after method, unit, and source fields are present.	

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Boundary

Record comparison only; this does not output a PPE category or determine garment selection, qualification, or compliance.

Formulas

Entered rating margin=entered arc rating-entered incident energy

Comparable record=method+unit basis+source reference

Source status=recorded when the source reference is present

Warnings and limitations

Record comparison only; it does not output a PPE category or determine garment selection, qualification, or compliance.