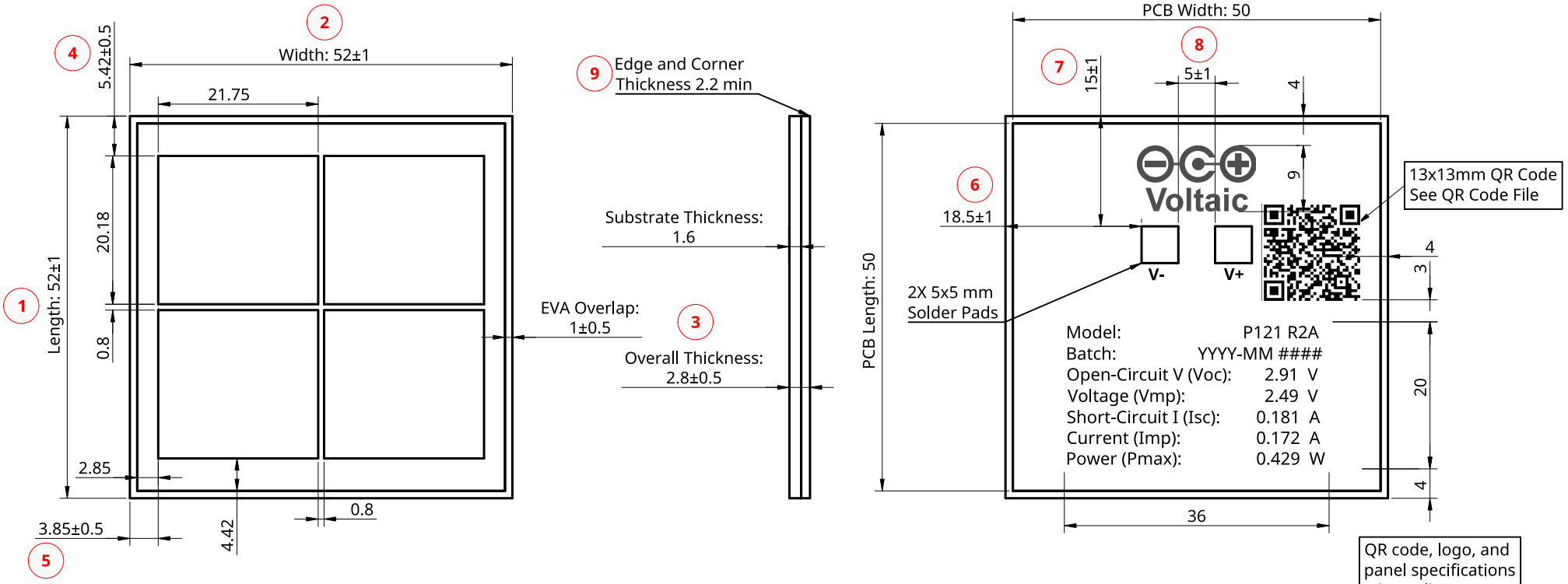
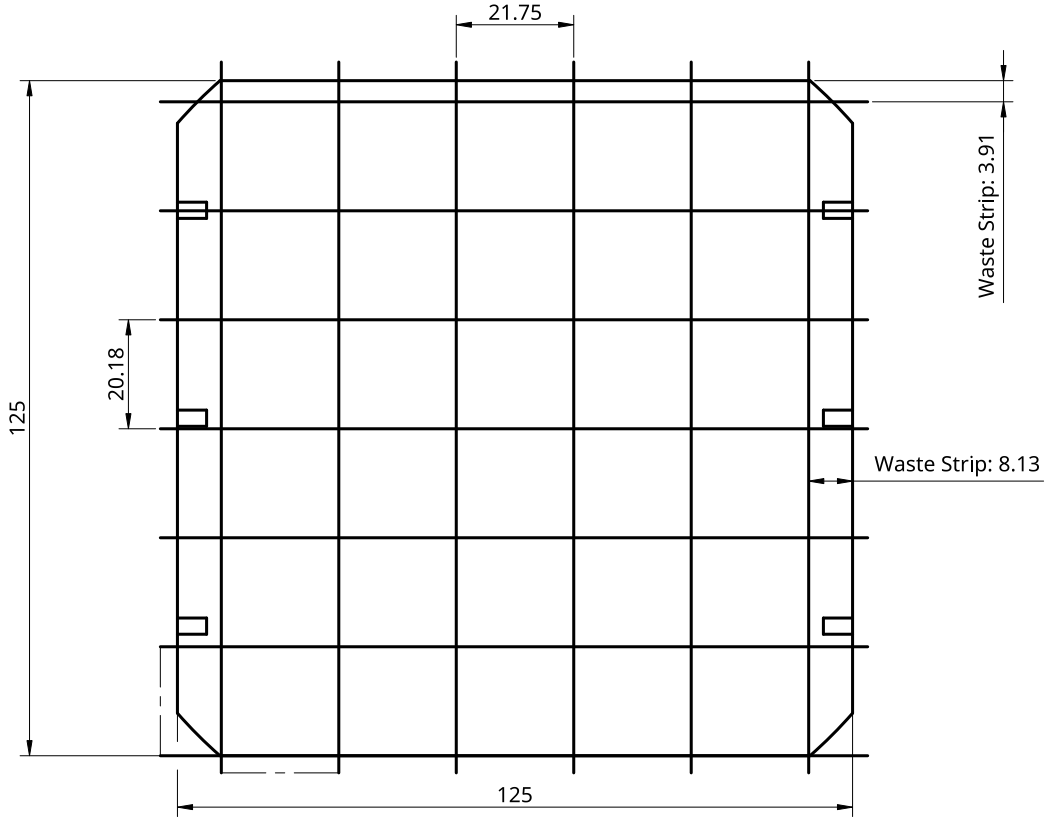


REMARKS
1. All dimensions to panel edge include EVA overlap unless otherwise specified.
2. "####" etching refers to Voltaic's PO# for traceability
3. Please note red circled inspection items

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Drawing Details		Construction		Power Specifications				
Panel Number	P121	All Materials RoHS Compliant		Output Tolerance: ± 10% of Voltage and Current				
Revision	R2A	Substrate	DOUBLE SIDED PCB	Solar Cell: SUNPOWER MAXEON GEN III				
Engineer	AK	Encapsulant	EVA F806P	Nominal Efficiency: ≥24.4%		Cell Pieces	4S1P	4
Approval	SM 2025-08-26	Top Layer	R045E ETFE	Panel Electrical Rating		Nominal	Expected	
Date Created	2022-03-08	Top Layer Pattern	YH05	Open-Circuit Voltage	Voc	2.91	2.83	V
Date Modified	2025-08-26	Wire Number	N/A	Voltage at Max Power	Vp	2.49	2.4	V
Changes	CELL PIECE SIZE, SILKSCREEN	Measured Wire Length	N/A	Short-Circuit Current	Isc	0.181	0.168	A
Tolerance: ±0.3 mm	Units: mm	Strain Relief	NONE	Current at Max Power	Ip	0.172	0.15	A
Scale: 1.25:1	Sheet: 1/2	Attachment	NONE	Maximum Power	Wp	0.429	0.36	W

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Cell Cut Diagram	
Cell	SUNPOWER MAXEON GEN III
Cell Efficiency	≥24.4%
Panel Reference	P121
Panel Revision	R2A
Date Created	2022-03-08
Date Modified	2025-08-26
Approval	SM 2025-08-26
Tolerance: ±0.3 mm	Units: mm
Scale: 1:1.4	Sheet: 2/2

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