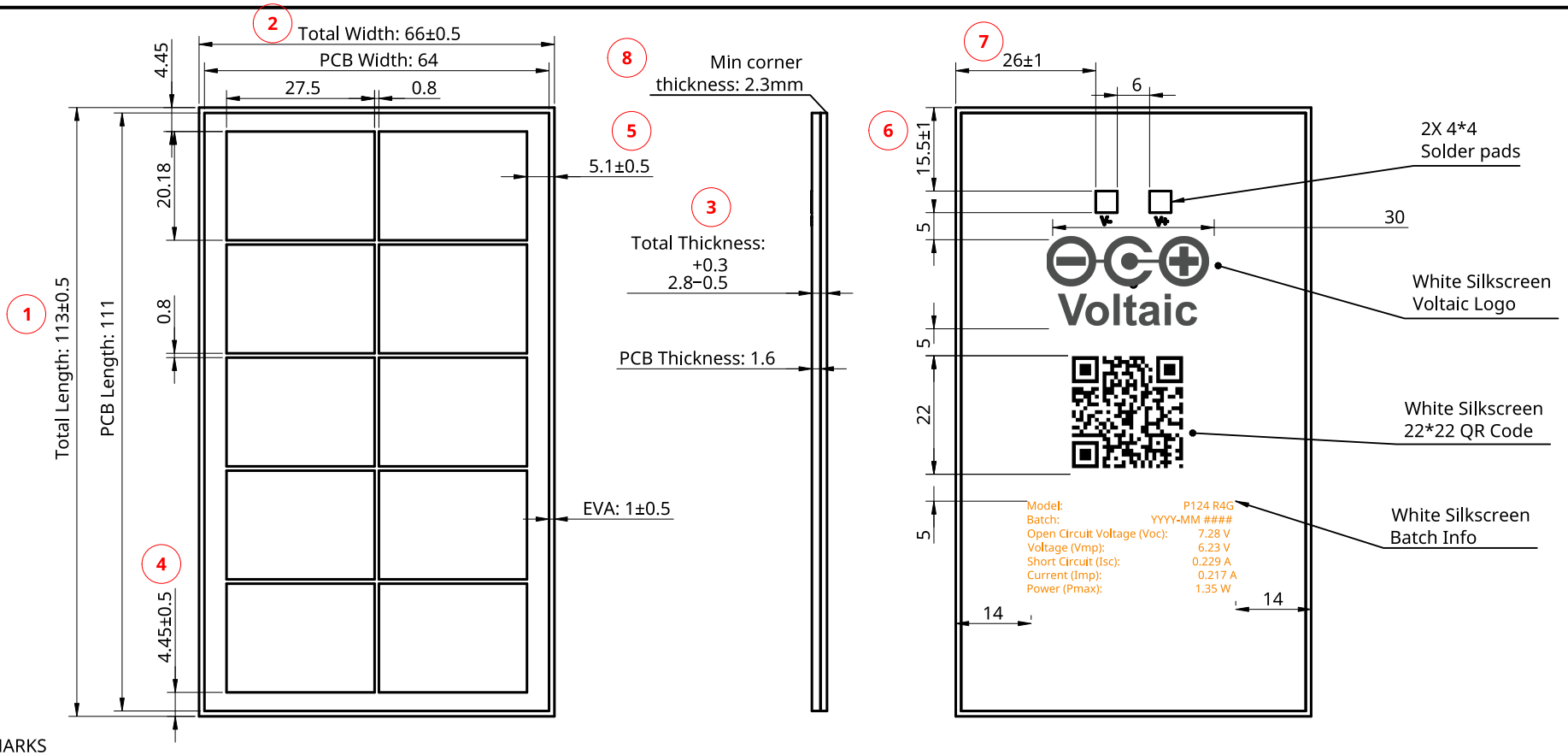
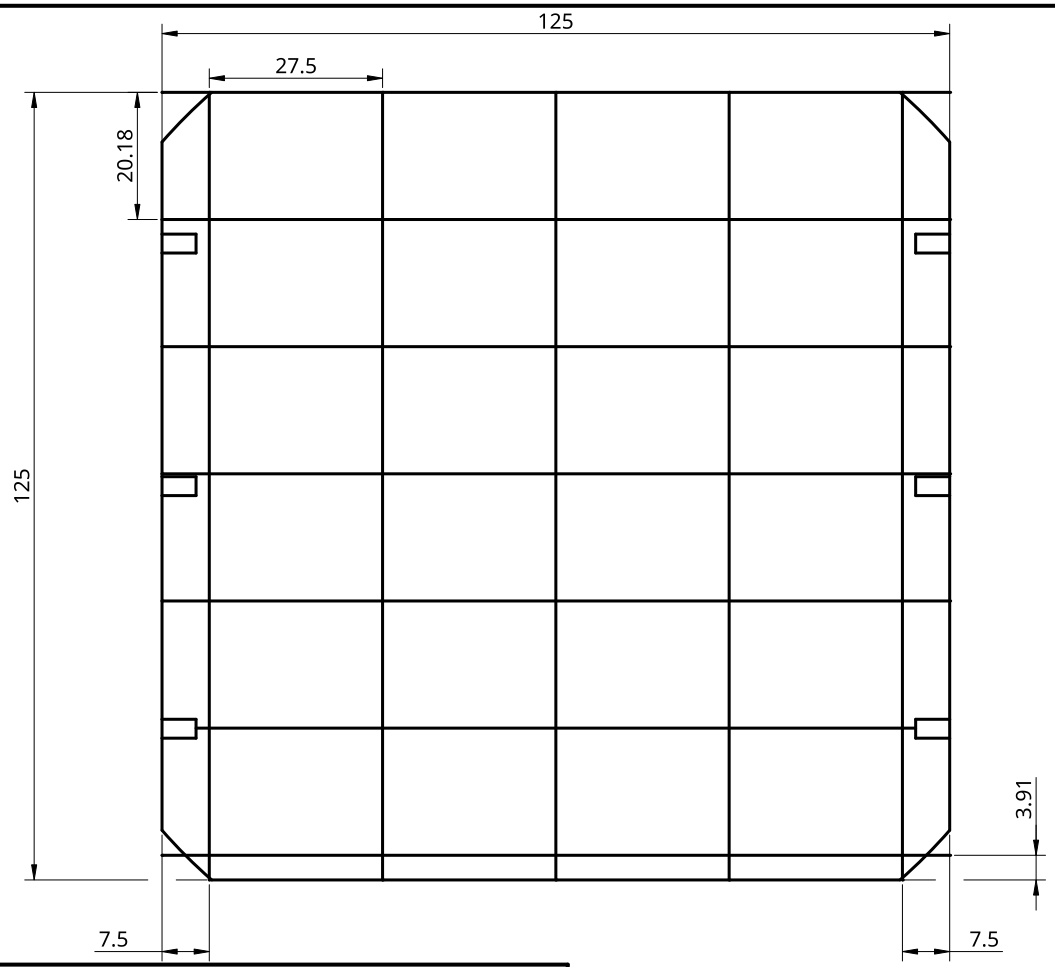


REMARKS
1. All dimensions to panel edge include EVA overlap unless otherwise specified.
2. "####" etching refers to Voltaic's PO# for traceability

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Drawing Details		Construction		Power Specifications				
Panel Number	P124	All Materials RoHS Compliant		Output Tolerance: ± 10% of Voltage and Current				
Revision	R4G	Substrate	DOUBLE SIDED PCB	Solar Cell: SUNPOWER MAXEON GEN III Ø166				
Engineer	AK	Encapsulant	EVA F806P	Nominal Efficiency: ≥24.4%		Cell Pieces	10S1P	10
Approval	SM 2025-10-30	Top Layer	TEFKA ECTFE	Panel Electrical Rating		Nominal	Expected	
Date Created	2021-01-18	Top Layer Pattern	ETFE YH04	Open-Circuit Voltage	Voc	7.28	7.07	V
Date Modified	2025-10-31	Wire Number	NA	Voltage at Max Power	Vp	6.23	6.01	V
Changes	ADDED CORNER THICKNESS	Measured Wire Length	NA	Short-Circuit Current	Isc	0.229	0.211	A
Tolerance: ±0.3 mm	Units: mm	Strain Relief	NONE	Current at Max Power	Ip	0.217	0.189	A
Scale: 1:1.2	Sheet: 1/2	Attachment	VHB	Maximum Power	Wp	1.35	1.14	W

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Cell Cut Diagram	
Cell	SUNPOWER MAXEON GEN III Ø166
Cell Efficiency	>24.4%
Panel Reference	P124
Panel Revision	R4G
Date Created	2021-01-18
Date Modified	2025-10-31
Approval	SM 2025-10-30
Tolerance: ±0.3 mm	Units: mm
Scale: 1:1.2	Sheet: 2/2

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