

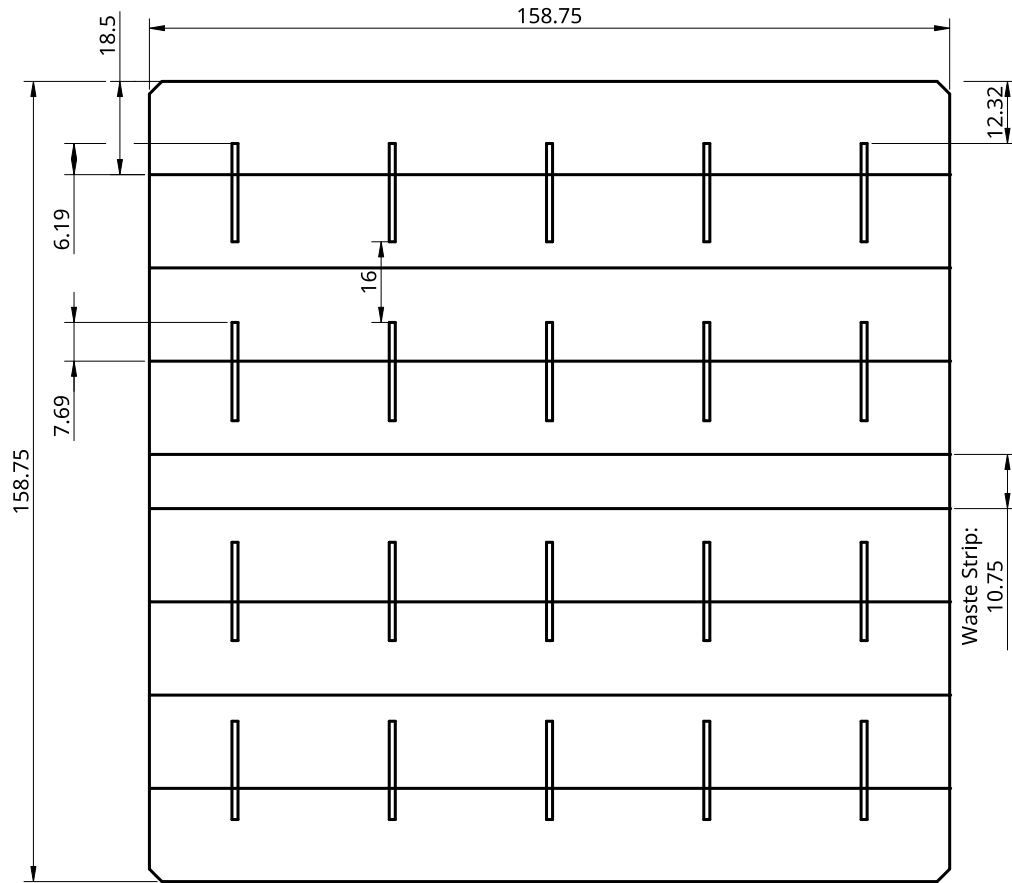
REMARKS

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



This document contains proprietary information and may not be copied or shared without the consent of Voltaic Systems

Drawing Details		Construction		Power Specifications				
Panel Number	P111	All Materials RoHS Compliant		Output Tolerance: ± 10% of Voltage and Current				
Revision	R1H	Substrate	SINGLE SIDED PCB	Solar Cell: TW-158.75M-215 5BB				
Engineer	MC	Encapsulant	EVA F806P	Nominal Efficiency: 21.5%≤		Cell Pieces		20
Approval	SM 2022-06-24	Top Layer	R045E ETFE	Panel Electrical Rating		Nominal	Expected	
Date Created	2021-03-22	Top Layer Pattern	ETFE MINIMAL	Open-Circuit Voltage	Voc	6.64	6.31	V
Date Modified	2022-07-05	Wire Number		Voltage at Max Power	Vp	5.65	5.37	V
Changes	CELL HEIGHT/ PANEL HEIGHT	Measured Wire Length		Short-Circuit Current	Isc	2.36	2.29	A
Tolerance: ±0.3 mm	Units: mm	Strain Relief	NONE	Current at Max Power	Ip	2.23	2.12	A
Scale: 1:3.5	Sheet: 1/2	Attachment		Maximum Power	Wp	12.61	11.38	W



Cell Cut Diagram

Cell	TW-158.75M-215 5BB	
Cell Efficiency	>21.5%	
Panel Reference	P111	
Panel Revision	R1H	
Date Created	2021-03-22	
Date Modified	2022-07-05	
Approval	SM 2022-06-24	
Tolerance: ±0.3 mm	Units:	mm
Scale: 1:1.5	Sheet:	2/2

This document contains proprietary information and may not be copied or shared without the consent of Voltaic Systems