

Panel Specifications

Electrical:

1000 Lux: 0.419mA at 2.6V (1.09mW)¹
 200 Lux: 0.079mA at 2.1V (0.166mW)
 Max Voc: 4.625V
 Average Isc: 65mA (Direct Sunlight)¹

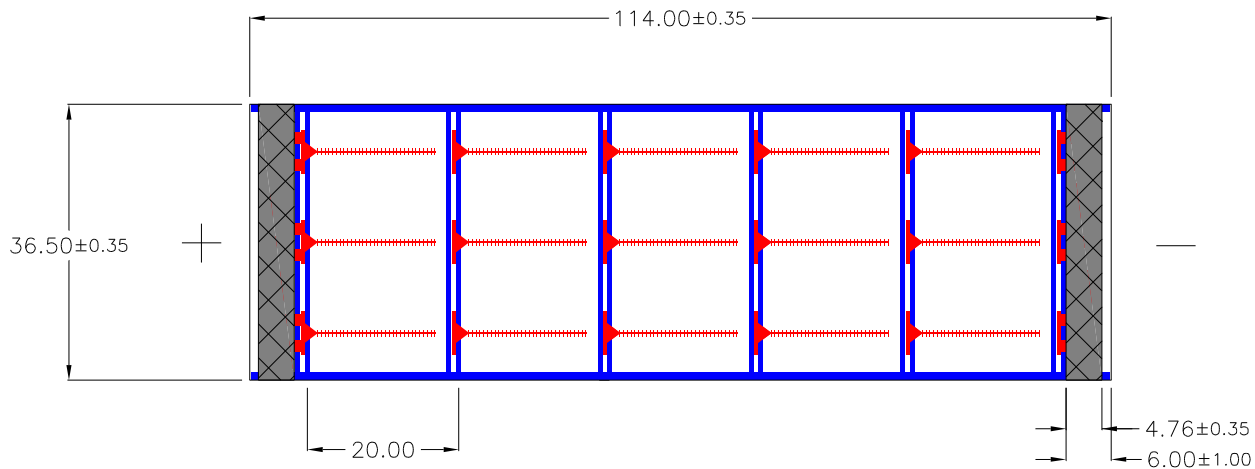
Mechanical:

f/b Laminate: 3 mil PET / 3 mil PET
 3/16 in Copper Foil Busbar
 Thickness: 0.22mm⁶
 Appr. Weight: 1.13 grams
 Operating Temperature: -25C to 65C²
 Bend Radius: 1 inch fixed, 3 inch repetitive³
 UV and Moisture Protection: Limited⁴

REVISIONS

DRAWING NO. LL200-3-37

REV	DESCRIPTION	REVIEW	DATE
1	5 Cell 37 x 114 mm Single Junction Low Light Module		12/2/2020
2	Added handling QR code	SJ	10/25/2021



Panel Information, Handling and Assembly Best Practices



1. Tested under a cool white LED spectrum. Extended exposure to greater than rated light intensity can reduce panel performance.
2. Exposed contacts to tinned copper foil are recessed by approximately 0.15 mm
3. High temperature laminates available for up to 85C continuous, 100C peak (4 hours daily).
4. Contact engineering support for tighter flexing requirements
5. Tolerant to intermittent exposure to UV, moisture and weather. Full UV and weatherproofing options are available.
6. Copper foil bustape increases thickness by approximately 0.1mm

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PowerFilm Inc.		1287 XE Place Ames, IA 50014 515-292-7606 515-292-1922(fax)
TITLE 5 Cell 37 x 114 mm Single Junction Low Light Module		
SCALE 1:1	DATE: 12/2/2020	REF.
DRAWN Sam Jones		DRAWING NO. LL200-3-37
CHECKED		

UNITS: mm