

SOLARIA®



**Solaria 270W/275W/280W
Module Specifications**



ELECTRICAL SPECIFICATIONS*

ELECTRICAL PARAMETER	Solaria 280			Solaria 275			Solaria 270																				
	Peak Power, Pmax (Watts)	280	275	270	Open Circuit Voltage, Voc (V)	44.60	44.40	44.20	Short Circuit Current, Isc (A)	8.27	8.15	8.04	Voltage at Pmax (V)	35.90	35.60	35.10	Current at Pmax (A)	7.80	7.73	7.69	Max Series Fuse Rating (A)	15	15	15	Max System Voltage (V)	US600/IEC1000	US600/IEC1000

MODEL: SOLARIA 270

Peak Power	(Pmax)	270	W
Voltage at Pmax	(Vmp)	35.10	V
Current at Pmax	(Imp)	7.69	A
Open Circuit Voltage	(Voc)	44.20	V
Short Circuit Current	(Isc)	8.04	A
Maximum Series Fuse		15	A

All ratings at standard test conditions: 1000 W/m², AM 1.5 spectrum, 25°C
Field connections, use min. 12 AWG copper wires insulated for 90°C min.

~ WARNING ~
ELECTRICAL HAZARD
Read and comply with
product installation manual.

System Rear
Refer to Installation Manual

--- **BARCODE** ---
Serial number with traceability for date and place of
manufacture

UL Fire Rating Class C - IEC Safety Class II

Maximum System Voltage **US-600V, IEC-1000V**
Made in the USA
www.solaria.com
PSC3003-01

ELECTRICAL

Cells	Monocrystalline
Bypass Diodes	3
Ratings	15 Amps each
Max Vrrm	45 Volts
Type	Diotec SB1540

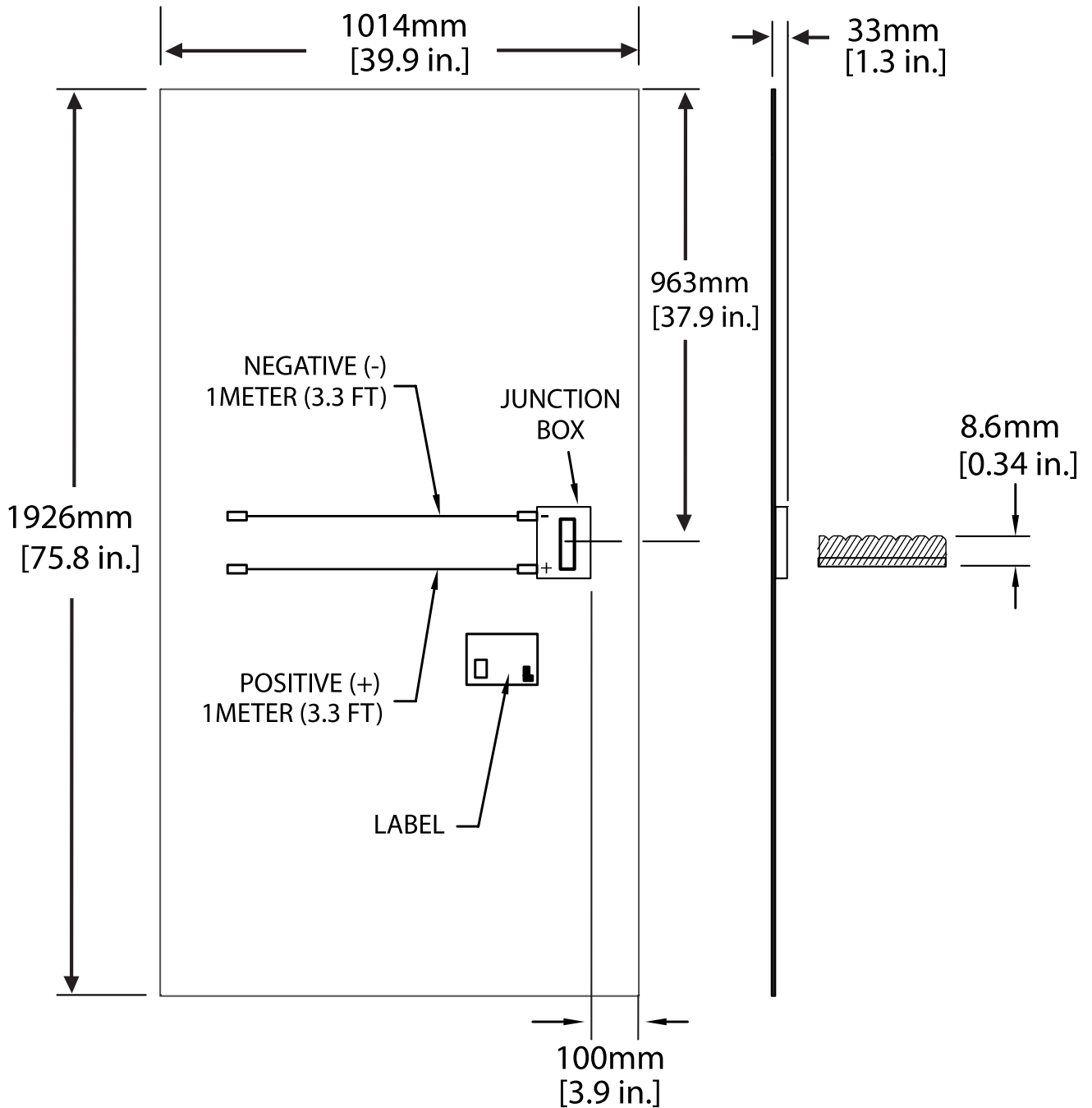
TEMPERATURE COEFFICIENTS

Isc	3.62	mA/°C
Imp	-2.31	mA/°C
Voc	-159.12	mV/°C
Vmp	-161.46	mV/°C
Pmax	-1.323	W/°C

- Specified power rating is +3/- 2% of indicated value of Pmax under STC*
- All other electrical specifications are + or - 10% of indicated values under STC*
- *STC : Irradiance 1000 W/m², AM 1.5 spectrum, Cell Temperature 25° C
- Module is rated for Application Class A

MECHANICAL DIMENSIONS:

- Frameless Module Weight: 74 lbs
- Nominal dimensions in millimeters and [inches] – Not Drawn to Scale





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