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EnergyPal

Solar Panel Guide Specification Data Sheet

Saint-Augustin Canada Electric Inc.

STA-PV60M 295-310W

STA-PV60M 305

Also available on the web at

EnergyPal.com/saint-augustin-canada-electric-inc-solar-panels/sta-pv60m-305

STA-PV60M SERIES

295 | 300 | 305 | 310

60-CELL MONO-CRYSTALLINE
PHOTOVOLTAIC MODULE



ELECTRICAL FEATURES*

	Wp	295	300	305	310
Maximum power rating (Pmax)*	Wp	295	300	305	310
Power tolerance	Wp	-0/+5	-0/+5	-0/+5	-0/+5
Maximum power voltage (Vmp)	V	32,92	33,38	33,52	33,86
Maximum power current (Imp)	A	8,99	9,04	9,13	9,21
Open circuit voltage (Voc)	V	39,60	39,78	39,96	40,14
Short circuit current (Isc)	A	9.77	9,82	9,86	9,94
Module Efficiency (Nm)	%	18.0	18,3	18,7	19,0

* Standard Testing Conditions (STC): 1000W/m², 25 C, AM 1.5



PROUDLY MANUFACTURED IN CANADA



PERFORMANCE WARRANTY

25

YEARS

Linear power output
warranty*

10

YEARS

Material and workmanship
warranty*



DESIGNED TO RESIST EXTREME CONDITIONS

- Our 40 mm thick frame was designed to resist Canadian specific weather conditions (snow, wind, etc.)
- IP67 junction box for better climate endurance



PREMIUM QUALITY & HIGH EFFICIENCY

-Up to 19.0% efficiency

* See PV Module Limited Warranty and General Warranty for conditions



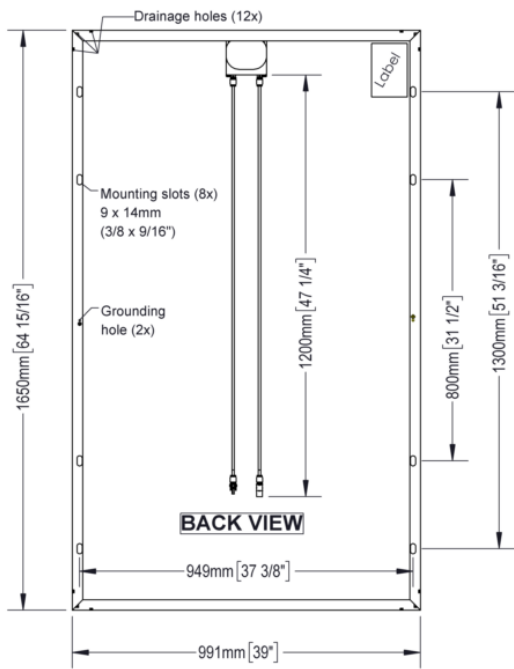
System and Product Standards

- ISO 9001: 2015 – ISO Quality Management System
- Canadian Standards Association (CSA)

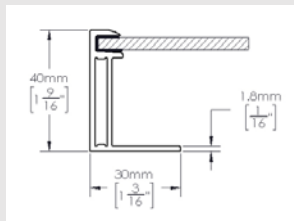


CONTACT

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Frame Cross-Section



TECHNICAL FACTS

Number of Cells	60 (6X10)
Solar Cell Type	Mono-Crystalline, 156x156mm (6x6in)
Dimensions LxWxH	1650x991x40mm (65 x 39 x 1.57in)
Weight	19kg (42 lbs)
Solar Glass	3.2 mm, tempered, anti-reflective glass
Frame	Extruded & anodized aluminium profile
Back Cover	Multi-layer polymer film
Junction Box	IP rated enclosure, 3 protective diodes
Cables	4mm ² , 1200mm long
Connectors	MC4 compatible
Certifications	UL 1703, ULC/ORD C-1703

TEMPERATURE CHARACTERISTICS

Normal Operating Cell Temp.	[°C]	45°2
Short Circuit Temperature Coefficient	Isc [%/°C]	+0.045
Open Circuit Voltage Temperature Coefficient	Voc [%/°C]	-0.307
Maximum Power Point Temperature Coefficient	Pmp [%/°C]	-0.428

About STACE

Since 1977, our team has been contributing to the energy sector development worldwide through the design of quality equipment and innovative integrated solutions. Our products hold many performance hallmarks and our team maintains research partnerships with renowned universities and research institutes to make sure we keep improving on energy harvesting.

The depth of our portfolio allows us to unleash the optimal technology mix for every specific situation. Depending on one site's needs and specification, our offer redefines itself to get you the most out of available resources.

OPERATING CONDITIONS

Maximum System Voltage	1000 [V] DC
Operating Temperature	-40 to + 85 °C
Maximum Series Fuse	15 A
Maximum Load (Snow/Static)	5400 Pa/2400 Pa

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