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EnergyPal

Solar Panel Guide Specification Data Sheet

Saint-Augustin Canada Electric Inc.

STA-PV72B 355-375W

STA-PV72B 370

Also available on the web at

EnergyPal.com/saint-augustin-canada-electric-inc-solar-panels/sta-pv72b-370

STA-PV72B SERIES

355 | 360 | 365 | 370 | 375

72-CELL MONO-CRYSTALLINE BIFACIAL
PHOTOVOLTAIC MODULE



ELECTRICAL FEATURES*

Maximum power rating (Pmax)*	Wp	355	360	365	370	375
Power tolerance	Wp	-0/+5	-0/+5	-0/+5	-0/+5	-0/+5
Maximum power voltage (Vmp)	V	39,64	40,09	40,31	40,77	41,07
Maximum power current (Imp)	A	8,96	9,03	9,06	9,08	9,10
Open circuit voltage (Voc)	V	47,95	46,73	46,86	47,27	47,49,1
Short circuit current (Isc)	A	9,68	9,72	9,78	9,75	9,76
Module Efficiency (Nm)	%	18,2	18,5	18,7	19,0	19,2

STC at Front + Irradiance % on back side for 365W module			
15 %	20 %	25 %	30 %
419	438	456	474

* 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

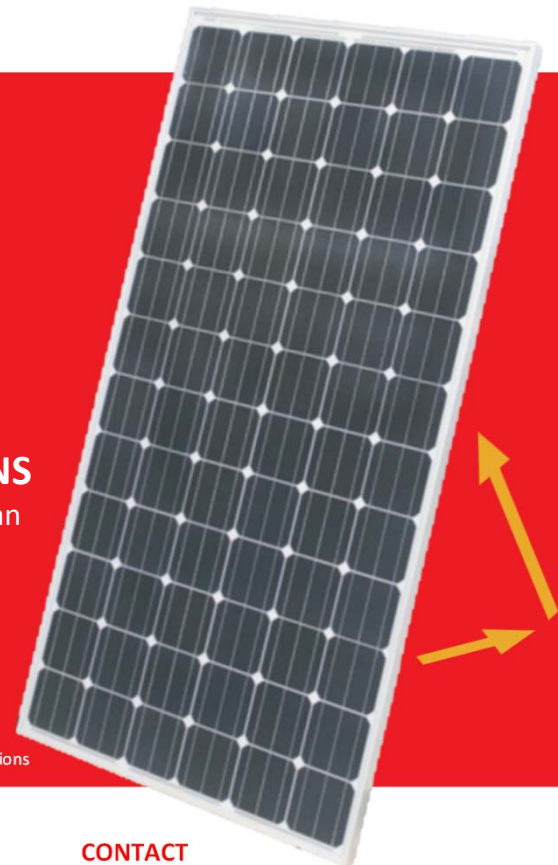
- Our 45 mm thick frame was designed to resist Canadian specific weather conditions (snow, wind, etc.)
- IP67 junction box for better climate endurance



PREMIUM QUALITY & HIGH EFFICIENCY

-Up to 19% efficiency

* See PV Module Limited Warranty and General Warranty for conditions



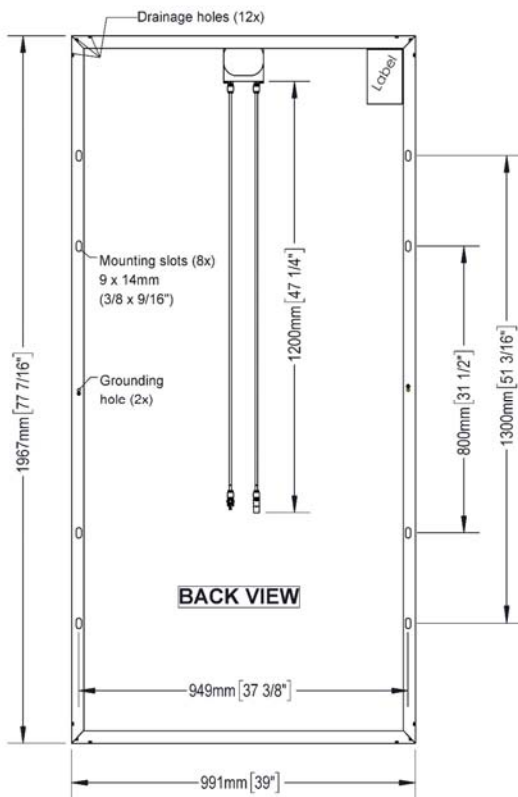
System and Product Standards

- ISO 9001: 2015 – ISO Quality Management System
- ISO 14001:2015 – ISO Environmental management
- Canadian Standards Association (CSA)



CONTACT

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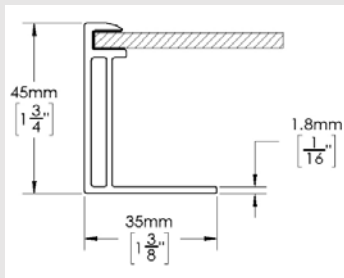
TECHNICAL FACTS

Number of Cells	72(6X12)
Solar Cell Type	Mono-Crystalline Bifacial, 156x156mm (6x6in)
Dimensions LxWxH	1967x991x45mm (77.44x39.02x1.77in)
Weight	23kg (50.7 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

Frame Cross-Section



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	1500 [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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