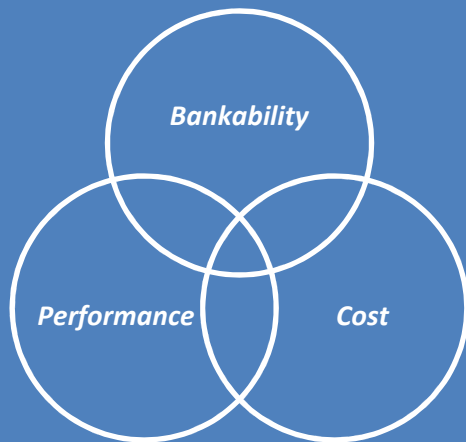


Panasonic

PE Series – 72M *Photovoltaic Module*

- Designed to address a wide range of applications and market segments
- Manufactured using proven mono-crystalline solar cells
- Fully qualified and backed for quality and reliability by Panasonic Eco Solutions

Optimum balance between performance and cost



FEATURES

- ❖ Output Power: 290W – 310W
- ❖ Efficiency: 14.67% - 15.68%
- ❖ Warranty:
 - Workmanship – 10 years
 - Output Power – 25 years, Linear
 - $\geq 97\%$ of P_{max} in 1st year
 - $\leq 0.7\%$ of P_{max} per year degradation in subsequent years
- ❖ Certifications
 - UL 1703
 - ULC 1703



CONFORMS TO
UL STD 1703
CERTIFIED TO
ULC/ORD STD
C1703-01

 **Made in Ontario**
72-Cell Monocrystalline



PE Series - Bankability, Economy and Performance

Combining proven mono-crystalline solar cells with the proven track record and history of excellence associated with Panasonic, the PE Series PV modules strike an optimum balance between performance, cost and bankability. PE Series PV modules minimize investment risks for solar PV projects under the Ontario Feed-in-Tariff Program.

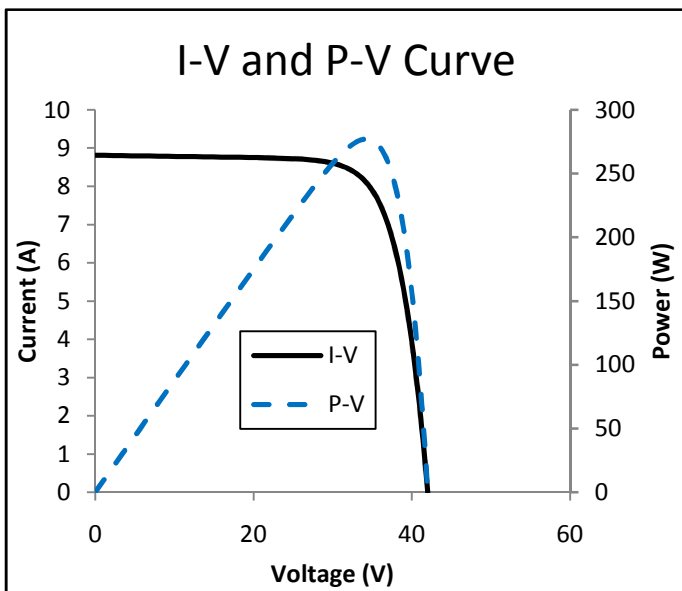
Panasonic Eco Solutions Canada

5770 Ambler Drive
Mississauga, Ontario
L4W 2T3

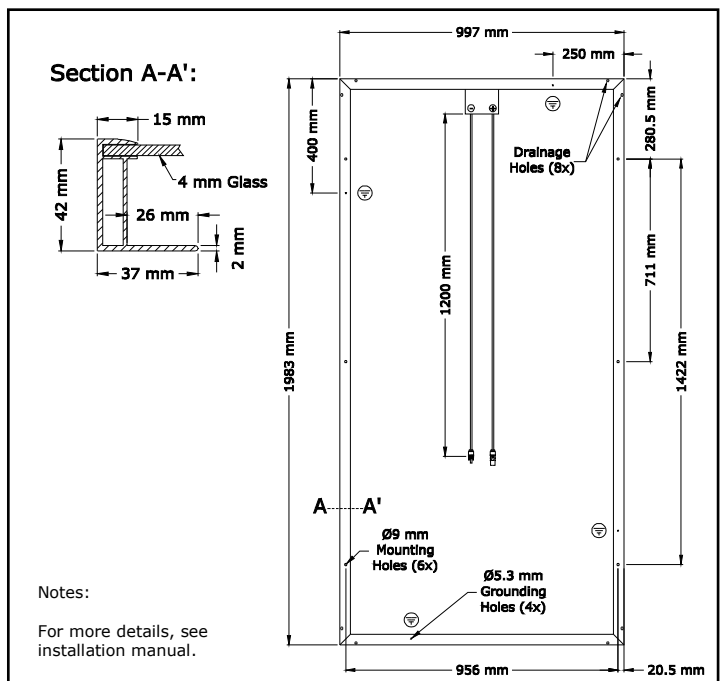
TEL: (905) 624-5010
Fax: (905) 238-4070

Parameters	PE290M-BBB	PE295M-BBB	PE300M-BBB	PE305M-BBB	PE310M-BBB
Module Dimensions	1983 x 997 x 42 mm				
Number of Cells	72 pieces (6 x 12) connected in series				
Cell Type and Size	Mono-crystalline (156mm x 156mm)				
Module Weight	25 Kg				
Rated Power (P _{max})	290 W	295 W	300 W	305 W	310 W
Power Tolerance	-0% / +5%				
Open Circuit Voltage (V _{oc})	44.39 V	44.68 V	44.87 V	44.99 V	45.12 V
Short Circuit Current (I _{sc})	8.51 A	8.65 A	8.73 A	8.84 A	8.92 A
Maximum Power Voltage (V _{mp})	36.20 V	36.41 V	36.54 V	36.69 V	36.78 V
Maximum Power Current (I _{mp})	8.00 A	8.11 A	8.22 A	8.32 A	8.43 A
Efficiency (η)	14.67%	14.92%	15.17%	15.43%	15.68%
Maximum System Voltage	Designed for 600V and 1000V applications				
Temperature Coefficient of Voltage (β)	-0.363% / °C				
Temperature Coefficient of Current (α)	0.047% / °C				
Temperature Coefficient of Power (γ)	-0.484% / °C				
Normal Operating Cell Temperature (NOCT)	51°C				
Fuse Current	15A				
Mechanical Load	±2400 Pa, +5400 Pa				
Hailstone Impact Resistance	25mm @ 80 km/h				
Operating Temperature	-40°C to +85°C				
Junction Box / Cable	Amphenol Hercules Junction Box with 4mm ² (12AWG) Cable, 1200mm length with Helios H4 Connectors (MC4 compatible)				
Basic Structure	Front	4.0mm, Tempered Ultra Clear, Low Iron Glass			
	Back	Tedlar Multilayer Composite Film			
	Frame	Extruded & Anodized Aluminium Profile			

IV parameters are rated at Standard Test Conditions (Irradiance of 1000 W/m², AM 1.5G, cell temperature 25°C).



Note: Curve represents PE300M-BBB



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Specifications and design subject to change without notice