

CEDAR LINE™ PHOTOVOLTAIC MODULES



Bright ideas. Brilliant technology.

Producing our own wafers, cells and modules assures that the highest quality components go into every one of our panels. And since they are made with String Ribbon™ technology, our panels take advantage of one of the newest, fastest-growing, most environmentally friendly manufacturing processes available in the world.

Evergreen Solar is a fully integrated, independent company. Solar is our only business. Our commitment to the environment is matched only by our commitment to our customers. If, like us, you want the best in solar, make the pure choice...Evergreen Solar panels.

Advanced technology with promise for the future

- String Ribbon™ polycrystalline solar cells outperform thin films and achieve comparable performance to bulk crystalline technologies while using half as much silicon.
- The proprietary cell fabrication process is among the most environmentally friendly in the business.

Predictable, reliable, long-term performance

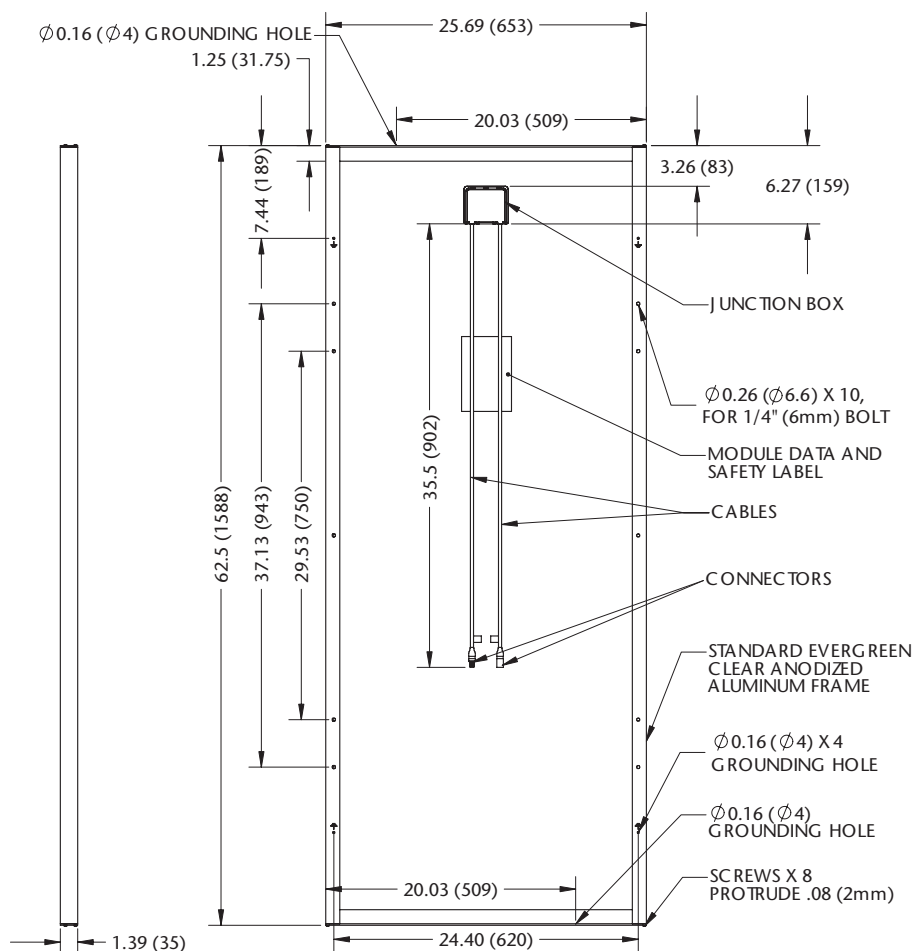
- Each module is individually tested to ensure field performance meets or exceeds specifications.
- Solar cells are matched to reduce internal losses and the possibility of hot spots.
- Rugged, durable anodized aluminum frame makes for strong, stable mechanical mounting.
- Industry standard EVA (Ethyl Vinyl Acetate) and Tedlar™ construction protects solar cells from mechanical and environmental stress.

Easier, faster, more accurate wiring

- Sealed junction box never needs maintenance.
- Easy, accurate, reliable electrical connections.
- Comes with factory-installed wires, connectors, and bypass diode(s).

The power of PV

- Photovoltaics (PV) provide clean, quiet, reliable electricity from sunlight.
- No moving parts to wear out.
- No emissions – power that's good for the environment.
- The sun – a limitless, readily-available power source.



EC102/110/115

Designed for
maximum performance:
safe, reliable, versatile
and easy to install.

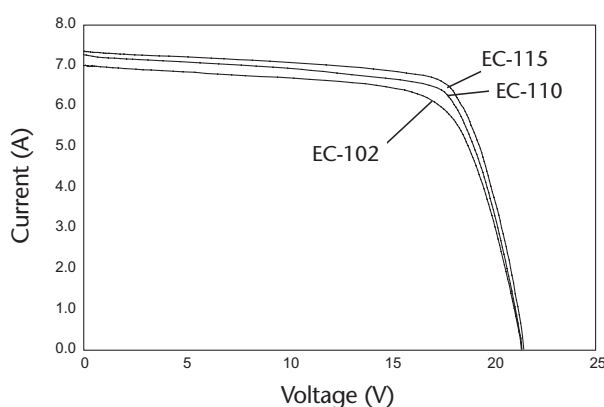
Dimensions: Inches (mm)
Weight: lb (kg) 28 (12.7)

ELECTRICAL SPECIFICATIONS*

	EC-102-GD	EC-110-GD	EC-115-GD
Pp	102	110	115
Vp	17.0	17.2	17.3
Ip	6.00	6.40	6.65
Voc	21.5	21.5	21.5
Isc	7.05	7.22	7.26
Cells	72	72	72
Max. Series Fuse		15A	
UL System Voltage Rating		600V	
TUV System Voltage Rating		800V	

*At STC (Standard Test Conditions): 1000 W/m², 25° C cell temperature, AM 1.5 spectrum. Power specifications are +/-4% at Evergreen Solar's tester, other specifications are +/-10%. Specifications subject to change without notice. 25 year limited power warranty. Complete warranty available on request.

I-V CHARACTERISTICS*



TEMPERATURE EFFECTS

Pp = - 0.49%/°C
Vp = - 0.53%/°C
Ip = + 0.049%/°C
NOCT = 44°C
Voc = - 0.41%/°C
Isc = + 0.088%/°C

SAFETY AND QUALITY TESTS

- IEC 1215 (IEC 503, ISPR) Certified
- UL LISTED Class C Fire Rating
- TUV Safety Class II Certified
- CE

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