EnerDynamic
Hybrid Technologies

EnerCube 3.3

Performance Advantages

- Roof-Top Wind & Solar Hybrid Energy System.
- Stable 24-hour power production capability.
- Maximizes energy density by reducing foot print.
- Expandable power generation.
- Appropriate for on or off electrical grid applications.
- Offsets peak energy pricing for electrical grid connected systems.

Made in Canada

Features

- Cut-in wind speed – 2 m/s.
- Scalable to user defined electrical consumption needs.
- Easy assembly and maintenance.
- Minimal running maintenance required.
- Able to withstand temperature ranges from -40°C to 50°C.

Solar PV

+

Installation Benefits

- Easy to mount on any structure.
- Flexible Installation - ballasted or roof penetration.
- Visually engaging design.
- Environment-friendly, silent operation.

Wind Energy

+

Entire System

- EnerCube Dimensions 1200 mm (L) x 1200 mm (W) x 1600 mm (H)
- Weight 83.91 kgs
- Frame Galvanized G-90 Steel and Aluminum
- Electronics Enclosure Rating IP53
- Electrical Connection, Battery Charge Controller, Inverter (Optional)
- Nominal System Voltage 12-48 Vdc
- Generator Permanent Magnet Axial Gap
- Design Life 25 Years

Battery Back-up

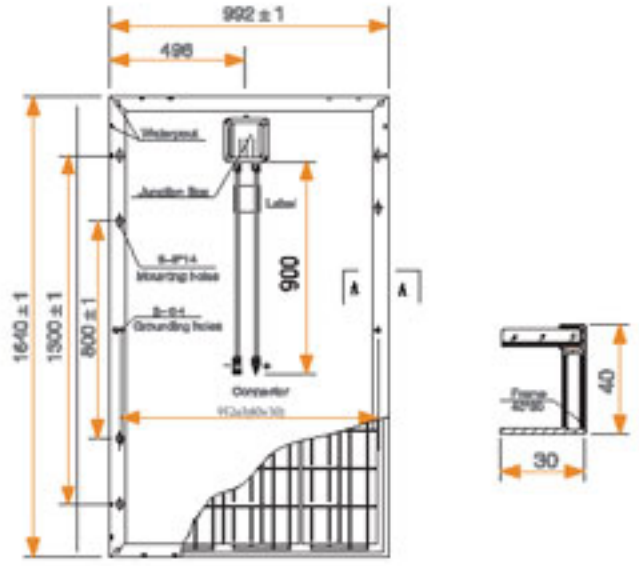
EnerDynamic
Hybrid Technologies
Solar Component

EHT250P-60

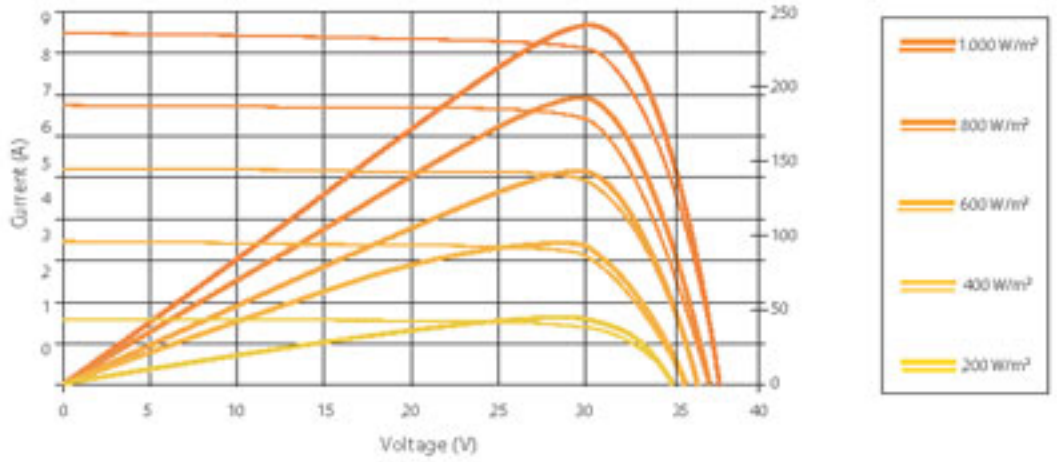
Durability, Sustainability, Reliability

The EHT250 is one of the quality products offered from our 100,000 ft2 Welland, Ontario, Canada manufacturing facility. It is designed for commercial applications ranging from industrial rooftops to ground mounting on rugged rural pastures. Manufactured to meet ISO 9001, 14001 and 18001 standards this quality of module is a sturdy example or quality solar.

Dimensions of the PV module



I-V Curves of the PV module



Electrical Data

- High module conversion efficiency up to 15.27 %
- Insured output warranty of 25 years
- Green Certification: PV-Cycle, Carbon Footprint and RoHS
- Without Potential-Induced Degradation (PID-free)
- Resistant against ammonia and salt mist
- Certified to withstand extreme snow-loads of 5.400 Pascal

Nominal Power Watt P_{max} (W_p)	250
Power Output Tolerance P_{max} (%)	0 ~ +3
Maximum Power Voltage V_{max} (V)	30.15
Maximum Power Current I_{Mpp} (A)	8.29
Open Circuit Voltage V_{oc} (V)	37.89
Short Circuit Current I_{sc} (A)	8.61
Module Efficiency η_m (%)	15.37
Cell Efficiency η_c (%)	17.44

www.ehthybrid.com

EnerDynamic
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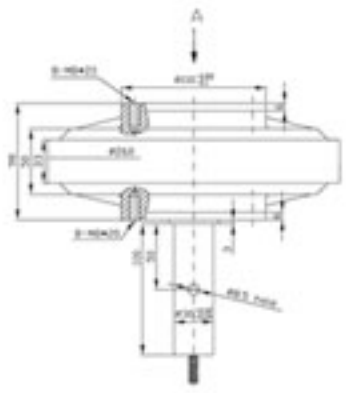
Wind Component

EHTSHF-320

Durability, Sustainability, Reliability

- Turbine Related Power Output 300 W @ 13 m/s
- Wind Component Maximum Power Output 400 W @ 16 m/s
- Maximum Voltage 196 Vdc
- Maximum Current 5 Amps
- Rotor Diameter 1.21 m
- Cut-In Wind Speed 2 m/s
- Cut-Out Wind Speed 18.5 m/s
- Swept Area 0.870 m2
- Permanent Magnet Type (Outer Rotor)



Power Curve of the Generator