



e·VILLAGE[®]

ENN 225W Module



environmentally safe, eternal, energy

Advanced Si Thin Film Photovoltaic Panels

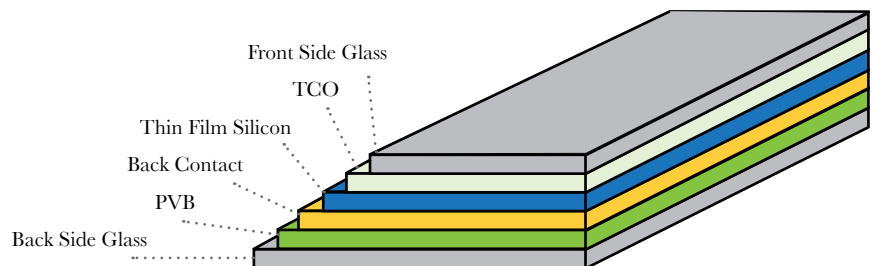
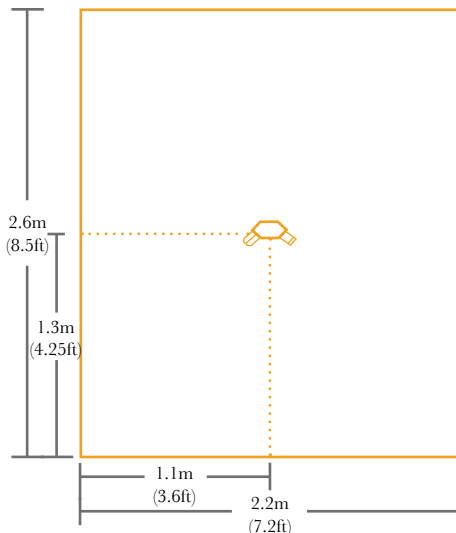
The ENN 225W Thin Film Photovoltaic Panel EST series is designed to provide high performance, high quality, and cost effective solar modules for a wide range of applications. Employing today's most advanced silicon thin film production technology, the modules are manufactured with environmentally friendly processes and use approximately 1% of the silicon material needed for typical crystalline silicon modules. By combining a cutting-edge production line and the expertise of our core technology team, E-Village® is committed to continuous technology innovation and to making clean renewable energy more affordable and available worldwide.

Features

- 458 Wp power output available
- Large size solar modules of up to 5.7m² for reduced installation cost
- Flexible module sizes (full, 1/2 and 1/4 size panels) available for different applications
- High power output in low or diffused light compared to crystalline silicon module
- Superior performance at high temperatures compared to crystalline silicon module
- High module conversion efficiency
- Shorter energy payback period
- Environmentally safe

Module Dimensions

Mechanical data	EST-460	EST-225V	EST-225H	EST-110
Height	2.6m (8.5ft)	2.6m (8.5ft)	1.3m (4.26ft)	1.3m (4.26ft)
Width	2.2m (7.2ft)	1.1m (3.6ft)	2.2m (7.2ft)	1.1m (3.6ft)
Depth (exclude j-box)	7mm (0.28 in)			
Weight	95kg (209.4lbs)	47.6kg (104.9lbs)	47.6kg (104.9lbs)	24kg (52.9lbs)



Module Performance

EST Series	EST-460	EST-225V	EST-225H	EST-110
Electrical characteristics				
Nominal Power(W)+/-5%	458	225	226	111
Voc(Typical, V)	289.4	142.0	289.4	142.0
Isc(Typical, A)	2.46	2.46	1.22	1.22
Vmpp(Typical, V)	220.3	108.1	220.3	108.1
Impp(Typical, A)	2.08	2.08	1.03	1.03
Temperature Coefficient				
Power	-0.20%/°C			
Voc	-0.30%/°C			
Isc	+0.10%/°C			
Vmpp	-0.30%/°C			
Impp	+0.15%/°C			
Temperature Range	-40°C—+85°C			
Maximum system voltage(V)	1,000			

All value rated under STC condition: Irradiance of 1,000W/m², spectrum of AM 1.5, and module temperature at 25°C. The initial performance of the modules will be higher than the stable values shown above. The Voc and Isc may be up to 5% higher.