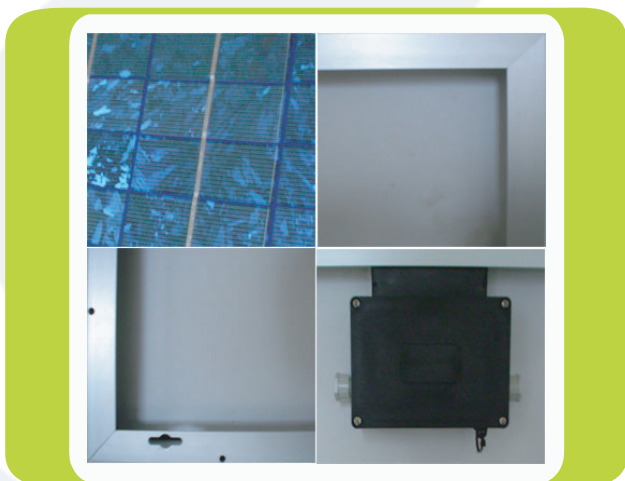
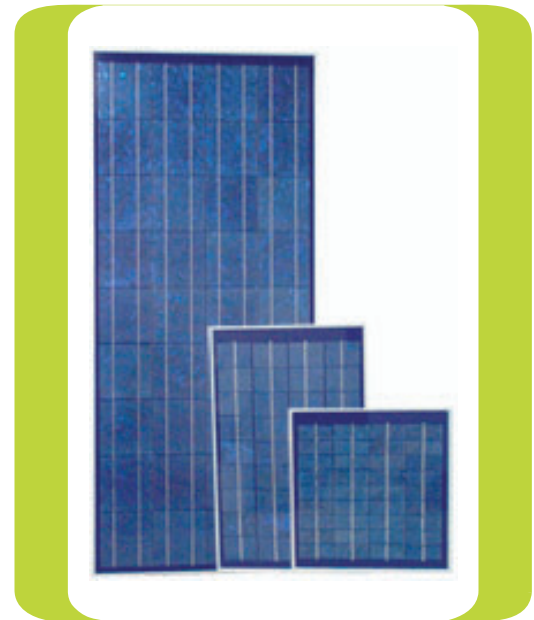
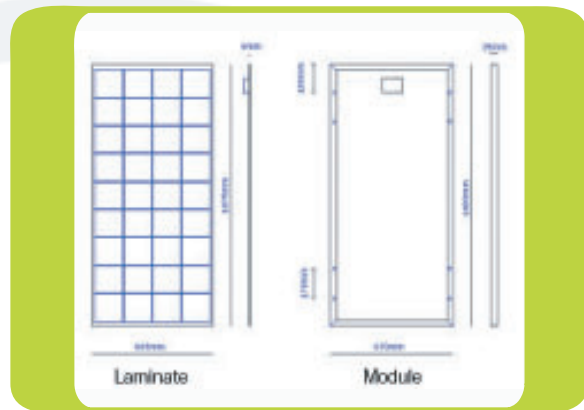








Crystalline Solar Modules

CSE Power Technologies' crystalline solar modules are designed and constructed to provide you with high performance and reliability.

These modules are ideally suited for high power applications or installations with space constraints such as:

- Backup and remote power
- Building Integration
- Outdoor lighting
- RV / Marine battery charging
- Solar pumping systems
- Telecommunications



-  High efficiency and reliability for diverse grid and off-grid applications
-  EVA Encapsulation: Clear encapsulated insulation enhances solar cell performance and provides proven weathering protection.
-  Anti-Reflective Coating: Increases the efficiency of our modules by reducing the quantity of light that is reflected away from the module.
-  Reliable outside Bussing: Our proven module design puts bus bars outside frame and cell areas, improving module reliability.
-  Anodized Aluminum Frames: Our corrosion resistant frames are constructed to withstand wind speeds in excess of 200Km/h (125 mph) in typical ground mounted applications.
-  Tempered Low Iron Glass: Tempered low iron glass provides both better impact resistance and better light transmission, allowing the generation of more electricity

Specifications:						
Cell type and size	Polycrystalline 156mmx156mm					
No. of cells and connections	4 x 9 in series (36)					
Dimension of module (mm)	1480mm x 670mm x 35mm					
Weight (kg)	13kg					
Characteristics:						
Model	CS 140	CS 135	CS 130	CS 125	CS 120	CS 115
Open circuit voltage (Voc)	22.01V	22.01V	22.01V	22.01V	22.01V	22.01V
Optimum operating voltage (Vmp)	17.89V	17.89V	17.89V	17.89V	17.89V	17.89V
Short circuit current (Isc)	8.37A	8.07A	7.77A	7.48A	7.18A	6.88A
Optimum operating current (Imp)	7.82A	7.55A	7.27A	6.99A	6.71A	6.43A
Rated power (Pmax)	140W	135W	130W	125W	120W	115W
Module Efficiency	14.11%	13.61%	13.11%	12.60%	12.10%	11.59%
Type of output Terminal	Junction Box IP65 with 2 bypass diodes					
Cable lengths	0.9M long, TUV certified, 4mm ²					
Connection	Type MC 3					
Certificates	IEC61215 Ed-II					
Limits:						
Operating temperature	-40 to +90 °C					
Maximum system voltage	1000V					
Temperature and coefficients:						
Nominal Operation Cell Temperature	46°C					
Current temperature coefficient	0.05%/°K					
Voltage Temperature coefficient	-0.33%/°K					
Power temperature coefficient	-0.43%/°K					
Note: The specifications are subject to change without notice .						

