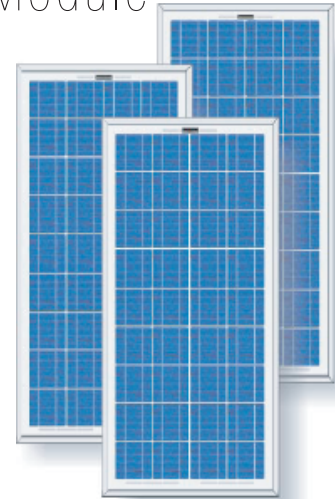


80W Industrial Crystalline Solar Module

CSE industrial 12V crystalline solar modules are designed to provide dependable & renewable power under all weather conditions.

Features:

- Completely weatherproof
- Rugged industrial construction making it ideal for all applications
- Pre-wired junction box & robust anodized aluminum frame with pre-drilled holes for quick installation
- Tempered glass lamination
- Designed for All off grid battery charging applications



CSE-SA80C

Characteristics

Model	CSE-SA80C
Open circuit voltage (Voc)	21.2V
Optimum operating voltage (Vmp)	16.8 V
Short circuit current (Isc)	5.12A
Optimum operating current (Imp)	4.76A
Maximum power at STC (Pm)	80Wp

STC: Irradiance 1000W/m², Module temperature 25°C, AM=1.5

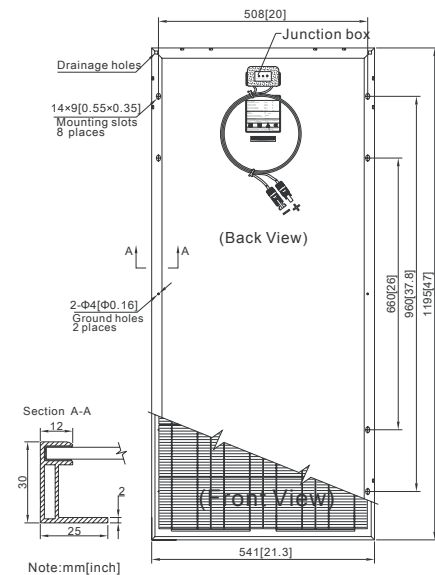
Specifications

Cell	Multicrystalline silicon solar cells 125mm×125mm
No. of cells and connections	36(4×9)
Dimension of module(mm)	1195×541×30
Weight	8 kg
Certification	IEC-61215
Warranty	25 years limited warranty on power output 5 year limited warranty on materials and workmanship

Temperature and Coefficients

NOCT	48°C ± 2°C	
Current temperature coefficient	%/K	0.06 ± 0.01
Voltage temperature coefficient	mV/K	-(155 ± 10)
Power temperature coefficient	%/K	-(0.5 ± 0.05)

NOCT: Nominal Operation Cell Temperature



Output

Type of output terminal	Junction box
Cable	LAPP(4.0mm ²)
Lengths	750mm(-) and 750mm(+)
Connection	MC Connectors

Limits

Operating temperature	-40 to +85°C
Maximum system voltage	715 V DC