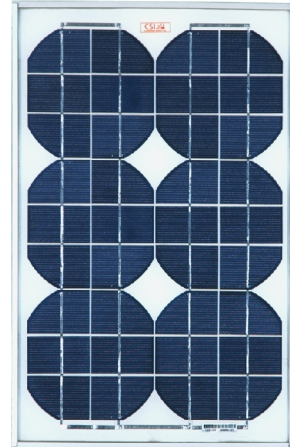




CANADIAN SOLAR

CS5F-12

CS5F is designed for powering small commercial applications and consumer products.



KEY FEATURES

- Utilizes 36 high-efficiency solar cells.

APPLICATIONS

- Power source for remote telecommunication equipment
- Monitoring systems for the oil & gas industry
- Traffic, security, environment, and other remote information monitoring systems
- Water pumping systems
- Rural electrification
- Small home power systems
- 12V or 24V battery charging system
- Other industrial and consumer applications

CERTIFICATIONS

Module Certificates

- CE

Factory Certificates

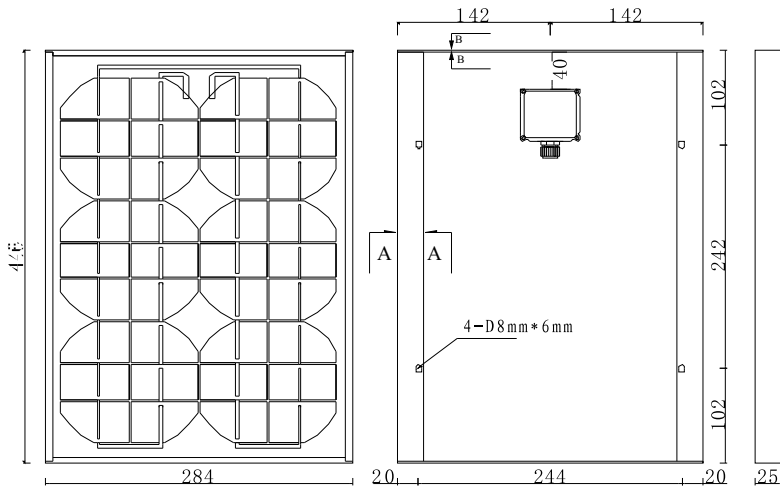
- ISO 9001:2000, ISO/TS 16949:2002
- QC 080000



WARRANTY

- Warranty terms upon request

Mechanical Specifications



Dimensions		
Length*Width*Depth	mm	446×284×25
	(in)	(17.6×11.2×1.0)
Weight	kg (lbs)	1.6 (3.5)

Cells	
Cell Material	Mono or Polycrystalline
Number of Cells	36

Electrical Characteristics

Electrical Performance

Under Standard Test Conditions (STC) of irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C

		CS5F-12
Maximum Power	P _{max}	12W
Voltage at Maximum Power	V _{mp}	17.2V
Current at Maximum Power	I _{mp}	0.70A
Open Circuit Voltage	V _{oc}	21.6V
Short Circuit Current	I _{sc}	0.76A
Maximum System Voltage		715V
Temperature Coefficient	Voltage (V _{oc})	-79±10 mV/°C
	Current (I _{sc})	0.065±0.015 %/°C

*NOCT (Normal Operating Cell Temperature): 45°C

**Module power tolerance: ±1W (approx. ±10%)

*Specifications included in this datasheet are subject to change without prior notice.