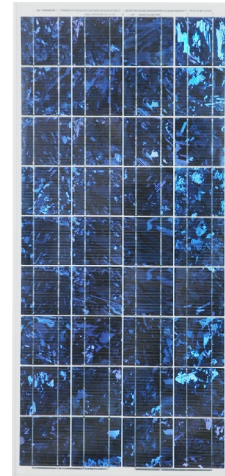




Canadian Solar Inc.

CS5C-80/90



CS5C is specially designed for powering remote telecommunication equipment, information monitoring systems and other industrial equipments in off-grid areas or when stand alone power system is more cost effective.

KEY FEATURES

- 36 high-efficiency solar cells
- Strong, lightweight aluminum frame design with reinforced sealing to prevent freezing
- High-transparency low-iron tempered glass with enhanced stiffness and impact resistance
- Advance EVA encapsulation system with multilayer backsheets for better module protection

APPLICATIONS

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

CERTIFICATIONS

Module Certificates

- IEC 61215, TUV Safety Class II, UL 1703, CE

Factory Certificates

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



* IEC 61215 Certified Models: CS5C-85P, CS5C-80P, CS5C-75P

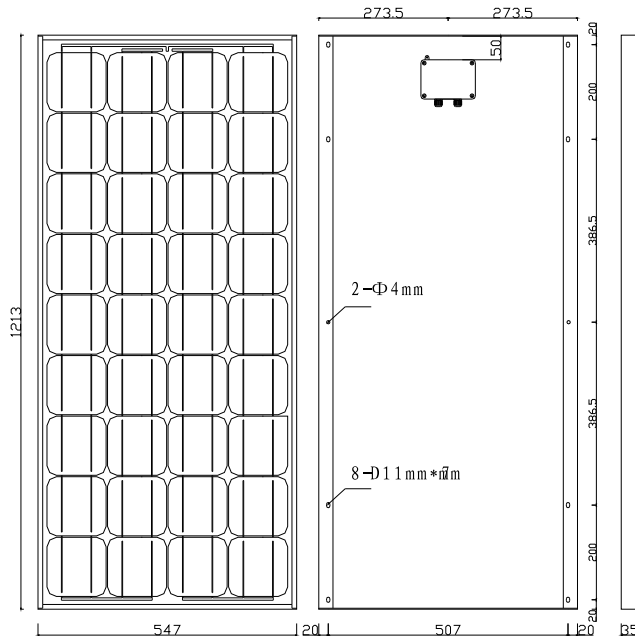
* TUV Safety Class II Certified Models: CS5C-80P

* UL 1703 Certified Models: CS5C-90, CS5C-85, CS5C-80, CS5C-75, CS5C-70, CS5C-65, CS5C-60, CS5C-55, CS5C-50

LIMITED WARRANTY

- 25 years limited warranty on power output
90% power output assurance for 10 years, and 80% power output assurance for 25 years.
Please refer to warranty statement for warranty conditions in detail.

Mechanical Specifications



Dimensions		
Length*Width*Depth	mm	1213×547×35
	(in)	(47.8×21.5×1.4)
Weight	kg (lbs)	8.0 (17.6)

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

		CS5C-80	CS5C-90
Maximum Power	P _{max}	80W	90W
Voltage at Maximum Power	V _{mp}	17.2V	17.2V
Current at Maximum Power	I _{mp}	4.66A	5.23A
Open Circuit Voltage	V _{oc}	21.6V	21.6V
Short Circuit Current	I _{sc}	5.05A	5.68A
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: ±5W (approx. ±6%)

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