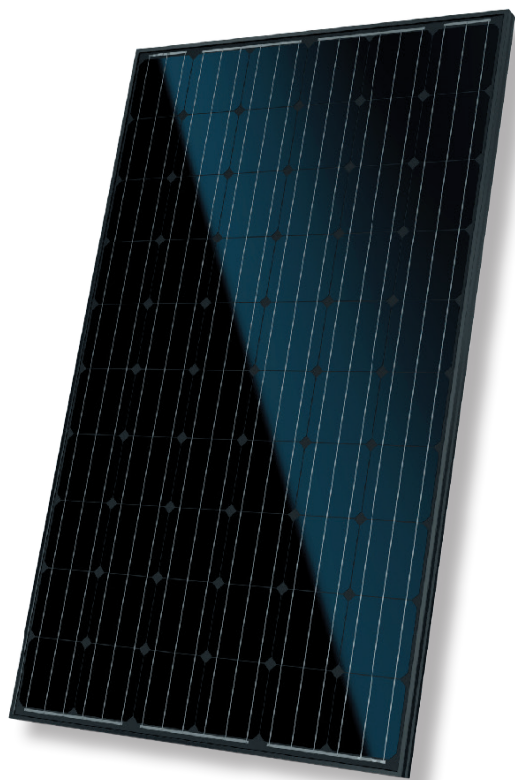


CANADIAN SOLAR

CS6K-265-270M



25
years

*insurance-backed warranty
linear power output warranty
non-cancelable, immediate warranty insurance*

10
years

*product warranty on materials
and workmanship*

Monocrystalline modules

High quality and reliability in all Canadian Solar modules is ensured by 14 years' experience in module manufacturing, well-engineered module design, stringent BOM quality testing, an automated manufacturing process and 100% EL testing.



Excellent module efficiency up to 16.5%



Anti-glare module surface available



Outstanding low irradiance performance:
96.5%



IP67 junction box for long-term weather
endurance



Positive power tolerance up to 5 W



Heavy snow load up to 5400 Pa wind load
up to 2400 Pa

ELECTRICAL DATA

STC (standard test conditions)*	CS6K-265M	CS6K-270M
Nominal Max. Power (Pmax)	265 W	270 W
Opt. Operating Voltage (Vmp)	30.9 V	31.1 V
Opt. Operating Current (Imp)	8.61 A	8.67 A
Open Circuit Voltage (Voc)	37.9 V	38.2 V
Short Circuit Current (Isc)	9.11 A	9.19 A
Module Efficiency	16.19%	16.50%
Operating Temperature	-40°C ~ +85°C	
Max. System Voltage	1000 V (IEC) or 1000 V (UL)	
Module Fire Performance	TYPE 1 (UL 1703) or CLASS C (IEC 61730)	
Max. Series Fuse Rating	15 A	
Application Classification	Class A	
Power Tolerance	0 ~ + 5 W	

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

NOCT*

Nominal Max. Power (Pmax)	191 W	195 W
Opt. Operating Voltage (Vmp)	28.2 V	28.4 V
Opt. Operating Current (Imp)	6.79 A	6.87 A
Open Circuit Voltage (Voc)	34.8 V	35.0 V
Short Circuit Current (Isc)	7.37 A	7.44 A

*Under Normal Operating Cell Temp., Irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C wind speed 1 m/s

MECHANICAL DATA

Cell Type Monocrystalline	6 inch
Cell Arrangement	60 (6 x 10)
Dimensions	1650 x 992 x 40 mm
Weight	18.2 kg
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP67, 3 diodes
Cable	4 mm ² (IEC) or 4 mm ² & 12 AWG, 1000 V (UL), 1000 mm
Connectors	Friends PV2a (IEC), Friends PV2b (IEC / UL)
Standard Packaging	26 pieces, 520 kg (quantity & weight per pallet)
Module Pieces per Container	728 pieces (40' HQ)

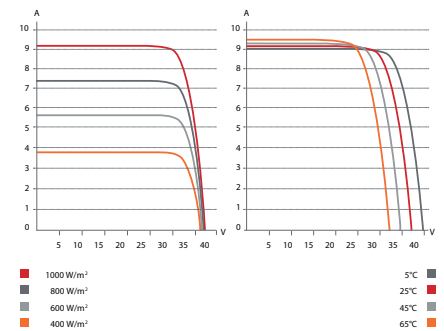
TEMPERATURE CHARACTERISTICS

Temperature Coefficient	Pmax	-0,41 %/°C
	Voc	-0,31 %/°C
	Isc	0,053 %/°C
Normal Operating Cell Temperature	45 +/- 2°C	

PERFORMANCE AT LOW IRRADIANCE

Industry leading performance at low irradiance, average 96.5% relative efficiency from an irradiance of 1000 W/m² to 200 W/m² (AM 1.5, 25°C).

I-V CURVES (CS6-265M)



ENGINEERING DRAWINGS

