

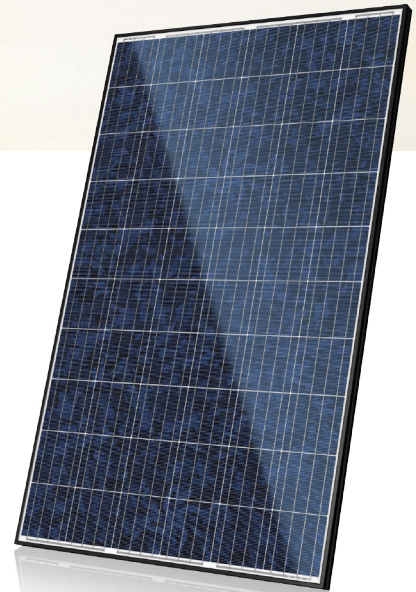
## CS6P-255 | 260 | 265P-SD

Canadian Solar Smart DC module features an innovative integration of Canadian Solar's module technology and SolarEdge's power optimization for grid-tied PV applications.

By replacing the traditional junction-box with a SolarEdge power optimizer, the Smart DC module optimizes power output at module-level. With this feature, the Smart DC module can eliminate module-level mismatch and decrease shading losses. Furthermore, the Smart DC module provides module-level monitoring that allows effective system management and minimizes operational costs.



\* Optional black backsheet available upon request



### KEY FEATURES



**Harvests up to 25% more energy from each module**

- Maximizes power from each individual module against potential mismatch risk
- Decreases shading losses



**Easy installation, simple system design**

- Integrated smart solution, no need to add other accessories
- Enhances the shading tolerance



**Reduces BoS Costs**

- Up to 11.25 kW ~ 12.75 kW per string allows for more modules to be based on different inverters



**Free module-level monitoring system**

- Full visibility of system performance with a free smartphone app



**More safety**

- Automatic drop of DC current and voltage when inverter or grid power is shut down



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



**product warranty on materials  
and workmanship**

### MANAGEMENT SYSTEM CERTIFICATES\*

ISO 9001:2008 / Quality management system

ISO/TS 16949:2009 / The automotive industry quality management system

ISO 14001:2004 / Standards for environmental management system

OHSAS 18001:2007 / International standards for occupational health & safety

### PRODUCT CERTIFICATES\*

IEC 61215 / IEC 61730: VDE/CE

UL 1703 / IEC 61215 performance: CEC listed (US)

UL 1703: CSA



\*As there are different certification requirements in different markets, please contact your Canadian Solar sales representative for the specific certificates applicable to the products.

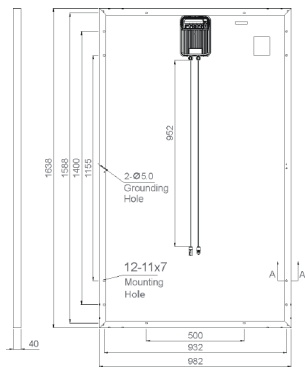
**CANADIAN SOLAR INC.** is committed to providing high quality solar products, solar system solutions and services to customers around the world. As a leading manufacturer of solar modules and PV project developer with about 12 GW of premium quality modules deployed around the world since 2001, Canadian Solar Inc. (NASDAQ: CSIQ) is one of the most bankable solar companies worldwide.

**CANADIAN SOLAR (USA) INC.**

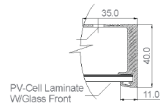
2420 Camino Ramon, Suite 125 San Ramon, CA, USA 94583-4385, [www.canadiansolar.com](http://www.canadiansolar.com), [sales.us@canadiansolar.com](mailto:sales.us@canadiansolar.com)

## MODULE / ENGINEERING DRAWING (mm)

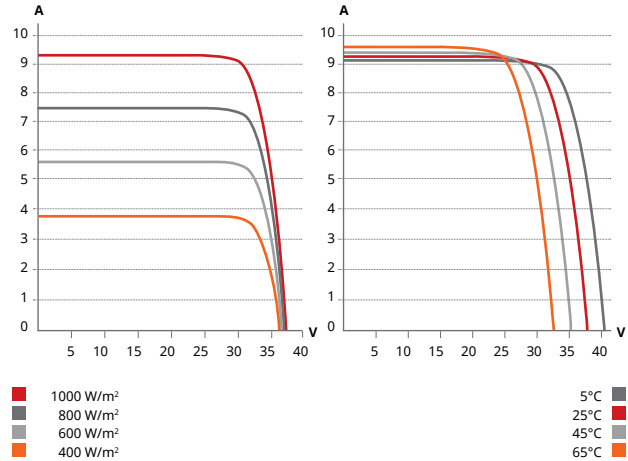
Rear View



Frame Cross Section



## CS6P-265P / I-V CURVES



## ELECTRICAL DATA / STC\*

### Electrical Data CS6P

Power Optimizer connected to a

SolarEdge Inverter	255P-SD	260P-SD	265P-SD
Nom. Max. PER (Pmax STC)	255 W	260 W	265 W
Nom. Max. PER (Pmax NOCT)	185 W	189 W	192 W
Open Circuit Voltage (Voc STC)	37.4 V	37.5 V	37.7 V
Output Voltage Range (Vout)	5-60 V	5-60 V	5-60 V
Max. Output Current (Imax)	15 A	15 A	15 A
Max. Series Fuse Rating	20 A	20 A	20 A
Module Efficiency	15.85%	16.16%	16.47%

Output During Standby  
(power optimizer disconnected  
from inverter or inverter off) 1 V

## PV SYSTEM DESIGN

Min. String Length	EU&APAC	1 ph	8		
		3 ph	16		
		3 ph - MV	18		
	US & Canada	1 ph	8		
3 ph (208 V)		10			
Max. String Length	EU&APAC	1 ph	20	20	19
		3 ph	44	43	42
		3 ph - MV	50	49	48
	US & Canada	1 ph	20	20	19
		3 ph (208 V)	23	23	22
		3 ph - MV	23	23	22
Max. Power per String (W)	EU&APAC	1 ph	5250		
		3 ph	11250		
		3 ph - MV	12750		
	US & Canada	1 ph	5250		
		3 ph (208 V)	6000		
		3 ph - MV	6000		
Parallel Strings of Different Lengths	Yes				
Parallel Strings of Different Orientations	Yes				
Operating Temperature	-40°C ~ +85°C				
Max. System Voltage	1000 V (IEC) / 600 V (UL)				
Application Classification	Class A				
Fire Rating	Type 1 (UL1703) / Class C (IEC61730)				
Power Tolerance	0 ~ +5 W				

## MODULE | MECHANICAL DATA

Specification	Data
Cell Type	Poly-crystalline, 6 inch
Cell Arrangement	60 (6×10)
Dimensions	1638×982×40 mm (64.5×38.7×1.57 in)
Weight	19.1 kg
Front Cover	3.2 mm tempered glass
Frame Material	Anodized aluminium alloy
J-Box	IP65
Cable	PV1-F 1*6.0 mm <sup>2</sup> / 952 mm
Connectors	MC4
Stand. Packaging	26 pieces, 544 kg (quantity & weight per pallet)
Module Pieces per Container	728 pieces (40' HQ)

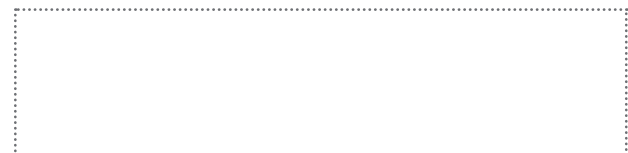
## TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.41% / °C
Temperature Coefficient (Voc)	-0.31% / °C
Temperature Coefficient (Isc)	0.053% / °C
Nominal Operating Cell Temperature	45±2°C

## STANDARD COMPLIANCE

EMC	FCC Part15 Class B, IEC61000-6-2, IEC61000-6-3
PV Optimizer J-Box	EN50548, UL3730, IEC2109-1 (Class II safety), UL1741
Fire Safety	VDE-AR-E 2100-712:2013-05

## PARTNER SECTION



Scan this QR-code to discover solar projects built with this module

