![CanadianSolar logo]

CS6P-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 the module-level mismatch and decrease shading losses. Furthermore, the Smart DC module provides module-level data to minimize operational costs and allow effective system management.

Optimized by **solaredge**

* Optional black backsheet
  available upon request

KEY FEATURES

25%
Harvest 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

$ Reduced BoS Costs
· Up to 11.25 kW ~ 12.75 kW per string allows for more modules based on different inverters

Free module-level monitoring system
· Full visibility of system performance
· Free smart phone app for the monitoring system

MORE Safety
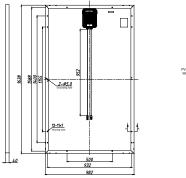· Automatic drop of DC current and voltage when inverter or grid power is shutdown

25 years insurance-backed warranty
non-cancelable, immediate warranty insurance
linear power output warranty

10 years 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 10 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.

MODULE / ENGINEERING DRAWING (mm)

Rear View   **Frame Cross Section**

CS6P-265P / I-V CURVES

■ 1000 W/m²	■ 5°C
■ 800 W/m²	■ 25°C
■ 600 W/m²	■ 45°C
■ 400 W/m²	■ 65°C

ELECTRICAL DATA / STC*

Electrical Data CS6P
Power Optimizer connected to a

SolarEdge Inverter	260P-SD	265P-SD
Nominal Max. Power (Pmax STC)	260 W	265 W
Nominal Max. Power (Pmax NOCT)	189 W	192 W
Open Circuit Voltage (Voc STC)	37.5 V	37.7 V
Output Voltage Range (Vout)	5-60 V	5-60 V
Max. Output Current (Imax)	15 A	15 A
Max. Series Fuse Rating	20 A	20 A
Module Efficiency	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	1 ph	8	
		3 ph (208 V)	10	
Max. String Length	EU&APAC	1 ph	20	19
		3 ph	43	42
		3 ph - MV	49	48
	US	1 ph	20	19
		3 ph (208 V)	23	22
Max. Power per String (W)	EU&APAC	1 ph	5250	
		3 ph	11250	
		3 ph - MV	12750	
	US	1 ph	5250	
		3 h (208 V)	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 mm² / 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