



## HiKu6 Mono PERC

530 - 555 Watt

CS6W-530 | 535 | 540 | 545 | 550 | 555MS

With Canadian Solar's industry leading mono-PERC cell technology and the innovative LIC (Low Internal Current) module technology, we are now able to offer our global customers high power mono modules up to 555W.

- Up to 4.5% lower LCOE
- Better shading tolerance
- Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation
- Module power up to 555W Module efficiency up to 21.6%
- 12 Years Enhanced Product Warranty on Materials and Workmanship\*
- 25 years Linear Power Performance Warranty\*
- Comprehensive LID / LeTID mitigation

### MECHANICAL DATA

Cell Type	Mono-crystalline
Cell Arrangement	144 [2 X (12 X 6)]
Dimensions	2261X 1134 X 30 mm (89.0X 44.6 X 1.18 in)
Weight	27.6kg (60.8lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm <sup>2</sup> (IEC), 12 AWG (UL)
Cable Length	410 mm (16.1 in) (+) / 290 mm (11.4 in) (-) or customized length*
Connector	T6 or MC4-EVO2
Per Pallet	35 pieces
Per Container (40' HQ)	700 pieces

\* For detailed information, please contact your local Canadian Solar sales and technical representatives.

### ELECTRICAL DATA |STC\*

CS6W	530MS	535MS	540MS	545MS	550MS	555MS
Nominal Max. Power (Pmax)	530 W	535 W	540 W	545 W	550 W	555 W
Opt. Operating Voltage (Vmp)	40.9 V	41.1 V	41.3 V	41.5 V	41.7 V	41.9 V
Opt. Operating Current (Imp)	12.96 A	13.02 A	13.08 A	13.14 A	13.20 A	13.25 A
Open Circuit Voltage (Voc)	48.8 V	49.0 V	49.2 V	49.4 V	49.6 V	49.8 V
Short Circuit Current (Isc)	13.80 A	13.85 A	13.90 A	13.95 A	14.00 A	14.05 A
Module Efficiency	20.7%	20.9%	21.1%	21.3%	21.5%	21.6%
Operating Temperature	-40 °C ~ +85 °C					
Max. System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)					
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)					
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ + 10W					

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25 °C

## HiKu7 Mono PERC

640 W ~ 670 W CS7N-640 | 645 | 650 | 655 | 660 | 665 | 670MS

With Canadian Solar's industry leading mono-PERC cell technology and the innovative LIC (Low Internal Current) module technology, we are now able to offer our global customers high power mono modules up to 670 W.

- 26% more power than conventional modules
- Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation
- Up to 3.5% lower LCOE Up to 5.7% lower system cost
- Module power up to 670 W 670 W Module efficiency up to 21.6%
- 25 years Linear Power Performance Warranty\*
- 12 years Enhanced Product Warranty on Materials and Workmanship\*
- Better shading tolerance

### MECHANICAL SPECIFICATION

Cell Type	Mono-crystalline
Cell Arrangement	132 [2 x (11 x 6)]
Dimensions	2384 x 1303 x 35 mm (93.9 x 51.3 x 1.38 in)
Weight	34.4 kg (75.8 lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy, crossbar enhanced
Junction Box	IP68, 3 bypass diodes
Cable	4 mm <sup>2</sup> (IEC), 12 AWG (UL)
Connector	T6 or T4 series or MC4-EVO2
Cable Length	460 mm (18.1 in) (+) / 340 mm (13.4 in) (-) or customized length* <small>(Including Connector)</small>
Per Pallet	31 pieces
Per Container (40' HQ)	527 pieces

\* For detailed information, please contact your local Canadian Solar sales and technical representatives

### ELECTRICAL DATA |STC\*

CS7N	640MS	645MS	650MS	655MS	660MS	665MS	670MS
Nominal Max. Power (Pmax)	640 W	645 W	650 W	655 W	660 W	665 W	670 W
Opt. Operating Voltage (Vmp)	37.5 V	37.7 V	37.9 V	38.1 V	38.3 V	38.5 V	38.7 V
Opt. Operating Current (Imp)	17.07 A	17.11 A	17.16 A	17.20 A	17.24 A	17.28 A	17.32 A
Open Circuit Voltage (Voc)	44.6 V	44.8 V	45.0 V	45.2 V	45.4 V	45.6 V	45.8 V
Short Circuit Current (Isc)	18.31 A	18.35 A	18.39 A	18.43 A	18.47 A	18.51 A	18.55 A
Module Efficiency	20.6%	20.8%	20.9%	21.1%	21.2%	21.4%	21.6%
Operating Temperature	-40 °C ~ +85 °C						
Max. System Voltage	1500V (IEC) or 1000V (IEC)						
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)						
Max. Series Fuse Rating	30 A						
Application Classification	Class A						
Power Tolerance	0 ~ + 10 W						

\* Under Standard Test Conditions (STC) of irradiance of 1000 W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25 °C.

