



HiKu7 Mono PERC

580 - 610 Watt

CS7L-580 | 585 | 590 | 595 | 600 | 605 | 610MS

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 610 W.

- Module power up to 610 W Module efficiency up to 21.6 %
- Up to 3.5 % lower LCOE Up to 5.7 % lower system cost
- Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation
- Better shading tolerance
- 12 years Enhanced Product Warranty on Materials and Workmanship*
- 25 years Linear Power Performance Warranty *

ELECTRICAL DATA | STC*

CS7L

Nominal Max. Power (Pmax)	580 W	585 W	590 W	595 W	600 W	605 W	610 W
Opt. Operating Voltage (Vmp)	34.1 V	34.3 V	34.5 V	34.7 V	34.9 V	35.1 V	35.3 V
Opt. Operating Current (Imp)	17.02 A	17.06 A	17.11 A	17.15 A	17.20 A	17.25 A	17.29 A
Open Circuit Voltage (Voc)	40.5 V	40.7 V	40.9 V	41.1 V	41.3 V	41.5 V	41.7 V
Short Circuit Current (Isc)	18.27 A	18.32 A	18.37 A	18.42 A	18.47 A	18.52 A	18.57 A

Module Efficiency	20.5%	20.7%	20.8%	21.0%	21.2%	21.4%	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	30 A						
Application Classification	Class A						
Power Tolerance	0 ~ + 10 W						

ELECTRICAL DATA | NMOT*

CS7L	580MS	585MS	590MS	595MS	600MS	605MS	610MS
Nominal Max. Power (Pmax)	435 W	439 W	442 W	446 W	450 W	454 W	457 W
Opt. Operating Voltage (Vmp)	32.0 V	32.2 V	32.3 V	32.5 V	32.7 V	32.9 V	33.1 V
Open Circuit Voltage (Voc)	38.3 V	38.5 V	38.7 V	38.8 V	39.0 V	39.2 V	39.4 V

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	120 [2 x (10 x 6)]
Dimensions	2172 x 1303 x 35 mm (85.5 x 51.3 x 1.38 in)
Weight	31.0 kg (68.3 lbs)
Front Cover	
Frame	Anodized aluminium alloy crossbar enhanced
J-Box	IP68, 3 bypass diodes
Cable	4 mm ² (IEC), 12 AWG (UL)
Connector	T4 series or H4 UTX or MC4-EVO2
Cable Length (Including Connector)	460 mm (18.1 in) (+) / 340 mm (13.4 in) (-) or customized length*
Per Pallet	31 pieces
Per Container (40' HQ)	527 pieces