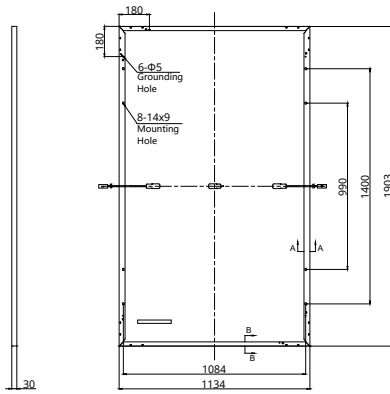
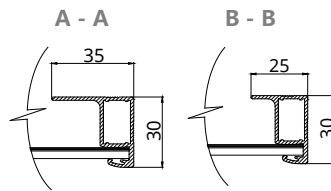


## ENGINEERING DRAWING (mm)

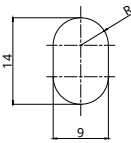
Rear View



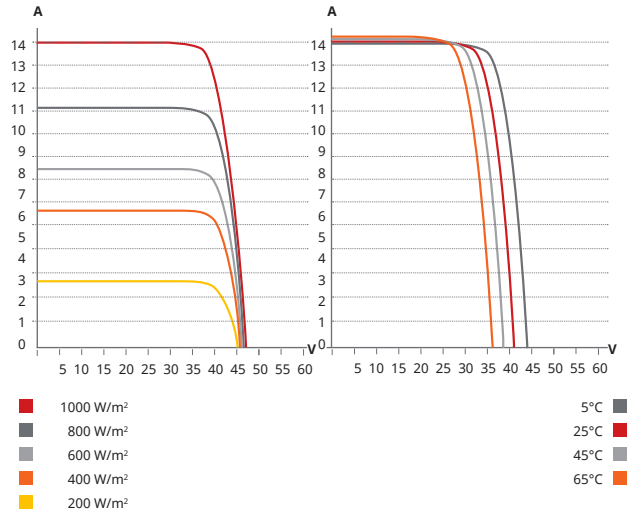
Frame Cross Section



Mounting Hole



## CS6L-460MS / I-V CURVES



## ELECTRICAL DATA | STC\*

CS6L	445MS	450MS	455MS	460MS	465MS
Nominal Max. Power (Pmax)	445 W	450 W	455 W	460 W	465 W
Opt. Operating Voltage (Vmp)	34.2 V	34.4 V	34.6 V	34.8 V	35.0 V
Opt. Operating Current (Imp)	13.03 A	13.10 A	13.17 A	13.24 A	13.30 A
Open Circuit Voltage (Voc)	40.8 V	41.0 V	41.2 V	41.4 V	41.6 V
Short Circuit Current (Isc)	13.86 A	13.9 A	13.95 A	14.00 A	14.09 A
Module Efficiency	20.6%	20.9%	21.1%	21.3%	21.5%
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 ~ + 10 W				

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

## MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	120 [2 X (10 X 6) ]
Dimensions	1903 × 1134 × 30 mm (74.9 × 44.6 × 1.18 in)
Weight	24.2 kg (53.4 lbs)
Front Cover	3.2 mm tempered glass with anti-ref-lective coating
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC), 12 AWG (UL)
Connector	T6 or MC4 or MC4-EVO2 or MC4-EVO2A
Cable Length (Including Connector)	Portrait: 410 mm (16.1 in) (+) / 290 mm (11.4 in) (-); landscape: 1100 mm (43.3 in)*
Per Pallet	35 pieces

Per Container (40' HQ) 840 pieces

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

## ELECTRICAL DATA | NMOT\*

CS6L	445MS	450MS	455MS	460MS	465MS
Nominal Max. Power (Pmax)	334 W	338 W	341 W	345 W	349 W
Opt. Operating Voltage (Vmp)	32.1 V	32.2 V	32.4 V	32.6 V	32.8 V
Opt. Operating Current (Imp)	10.41 A	10.47 A	10.52 A	10.58 A	10.63 A
Open Circuit Voltage (Voc)	38.6 V	38.8 V	38.9 V	39.1 V	39.3 V
Short Circuit Current (Isc)	11.18 A	11.21 A	11.25 A	11.29 A	11.36 A

\* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m² spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

## TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.34 % / °C
Temperature Coefficient (Voc)	-0.26 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C

## PARTNER SECTION



\* The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. CSI Solar Co., Ltd. reserves the right to make necessary adjustment to the information described herein at any time without further notice.

Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.

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