



HiKu6 Mono PERC

530 W ~ 555 W

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

MORE POWER



Module power up to 555 W
Module efficiency up to 21.5 %



Up to 4.5 % lower LCOE
Up to 5.6 % lower system cost



Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation



Compatible with mainstream trackers, cost effective product for utility power plant



Better shading tolerance

MORE RELIABLE



Minimizes micro-crack impacts



Heavy snow load up to 5400 Pa, wind load up to 2400 Pa*



Enhanced Product Warranty on Materials and Workmanship*



Linear Power Performance Warranty*

1st year power degradation no more than 2%
Subsequent annual power degradation no more than 0.55%

*According to the applicable Canadian Solar Limited Warranty Statement.

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2015 / Quality management system
ISO 14001:2015 / Standards for environmental management system
ISO 45001: 2018 / International standards for occupational health & safety
IEC62941: 2019 / Photovoltaic module manufacturing quality system

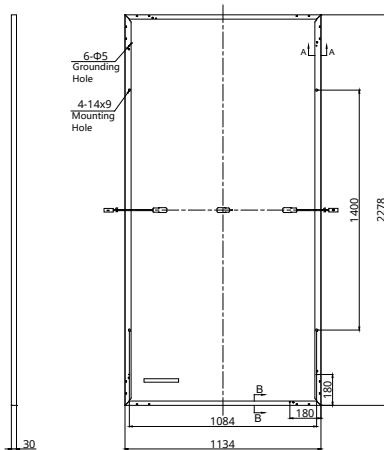
PRODUCT CERTIFICATES*

IEC 61215 / IEC 61730 / CE
UL 61730 / IEC 61701 / IEC 62716 / Take-e-way

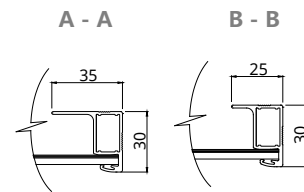


ENGINEERING DRAWING (mm)

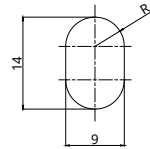
Rear View



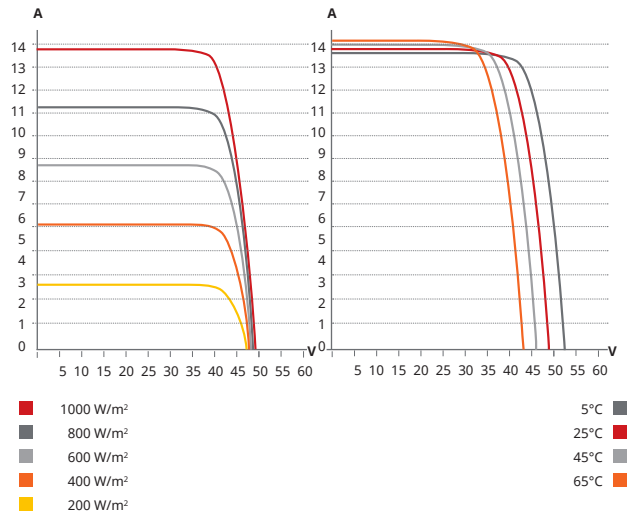
Frame Cross Section



Mounting Hole



CS6W-530MS / I-V CURVES



ELECTRICAL DATA | STC*

CS6W	530MS	535MS	540MS	545MS	550MS	555MS
Nominal Max. Power (P _{max})	530 W	535 W	540 W	545 W	550 W	555 W
Opt. Operating Voltage (V _{mp})	40.9 V	41.1 V	41.3 V	41.5 V	41.7 V	41.9 V
Opt. Operating Current (I _{mp})	12.96 A	13.02 A	13.08 A	13.14 A	13.20 A	13.25 A
Open Circuit Voltage (V _{oc})	48.8 V	49.0 V	49.2 V	49.4 V	49.6 V	49.8 V
Short Circuit Current (I _{sc})	13.80 A	13.85 A	13.90 A	13.95 A	14.00 A	14.05 A
Module Efficiency	20.5%	20.7%	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.

ELECTRICAL DATA | NMOT*

CS6W	530MS	535MS	540MS	545MS	550MS	555MS
Nominal Max. Power (P _{max})	397 W	401 W	405 W	409 W	412 W	416 W
Opt. Operating Voltage (V _{mp})	38.3 V	38.5 V	38.7 V	38.9 V	39.1 V	39.3 V
Opt. Operating Current (I _{mp})	10.38 A	10.42 A	10.47 A	10.52 A	10.55 A	10.59 A
Open Circuit Voltage (V _{oc})	46.1 V	46.3 V	46.5 V	46.7 V	46.9 V	47.1 V
Short Circuit Current (I _{sc})	11.13 A	11.17 A	11.21 A	11.25 A	11.29 A	11.33 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.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
Cell Arrangement	144 [2 x (12 x 6)]
Dimensions	2278 x 1134 x 30 mm (89.7 x 44.6 x 1.18 in)
Weight	27.6 kg (60.8 lbs)
Front Cover	3.2 mm tempered glass with anti-reflective coating
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm ² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	350 mm (13.8 in) (+) / 250 mm (9.8 in) (-) or customized length*
Connector	T6 or MC4-EVO2 or MC4-EVO2A
Per Pallet	35 pieces
Per Container (40' HQ)	700 pieces or 630 pieces (only for US & Canada)

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

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (P _{max})	-0.34 % / °C
Temperature Coefficient (V _{oc})	-0.26 % / °C
Temperature Coefficient (I _{sc})	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C