ZEICHENGENEHMIGUNG
MARKS APPROVAL

CSI Solar Co., Ltd.
199 Lushan Road, SND
215129 Suzhou
Jiangsu
China

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN IEC 61730-1 (VDE 0126-30-1):2018-10; EN IEC 61730-1:2018+AC:2018
DIN EN IEC 61730-2 (VDE 0126-30-2):2018-10; EN IEC 61730-2:2018+AC:2018

Das Produkt erfüllt auch die Anforderungen nach /
The product also fulfills the requirements of

IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016

Aktenzeichen: 5027815-3972-0001 / 313603
File ref.:
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Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*

T. Stenger

Offenbach, 2017-03-16
(letzte Änderung / updated 2023-11-07)

SOLARONE.RO SISTEME FOTOVOLTAICE

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
CSI Solar Co., Ltd., 199 Lushan Road, SND, 215129 SUZHOU, Jiangsu, CHINA

Aktenzeichen / *File ref.*
5027815-3972-0001 / 313603 / CB1 / HET

letzte Änderung / *updated* 2023-11-07

Datum / *Date* 2017-03-16

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This supplement is only valid in conjunction with page 1 of the Certificate No. 40045991.

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

A) CS6U-XXXP
B) CS6K-XXXP
C) CS6U-XXXM
D) CS6K-XXXM
E) CS6U-XXXMS
F) CS6K-XXXMS
G) CS3U-XXXMS
H) CS3K-XXXMS
I) CS3U-XXXP
J) CS3K-XXXP
K) CS3U-XXXMS-V
L) CS3K-XXXMS-V
M) CS3U-XXXP-V
N) CS3K-XXXP-V
O) CS1K-XXXMS
P) CS1V-XXXMS
Q) CS6U-XXXP (IEC1000V)
R) CS6K-XXXP (IEC1000V)
S) CS3U-XXXMS (IEC1000V)
T) CS3K-XXXMS (IEC1000V)
U) CS3K-XXXP (IEC1000V)
V) CS1K-XXXMS (IEC1000V)
W) CS6K-XXXMS (IEC1000V)
X) CS3W-XXXP
Y) CS3L-XXXP
Z) CS3W-XXXP (IEC1500V)
AA) CS3L-XXXP (IEC1500V)
AB) CS1U-XXXMS
AC) CS1H-XXXMS
AD) CS1VL-XXXMS

Fortsetzung siehe Blatt 3 /
continued on page 3

SOLARONE.RO® SISTEME FOTOVOLTAICE

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Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

AE) CS1U-XXXMS (IEC1000V)
AF) CS1U-XXXMS (IEC1500V)
AG) CS1H-XXXMS (IEC1000V)
AH) CS6U-XXXP (IEC1500V)
AI) CS3U-XXXMS (IEC1500V)
AJ) CS3K-XXXMS (IEC1500V)
AK) CS3U-XXXP (IEC1000V)
AL) CS3U-XXXP (IEC1500V)
AM) CS3K-XXXP (IEC1500V)
AN) CS3W-XXXP (IEC1000V)
AO) CS3L-XXXP (IEC1000V)
AP) CS1X-XXXMS
AQ) CS1X-XXXMS (IEC1000V)
AR) CS1X-XXXMS (IEC1500V)
AS) CS1A-XXXMS
AT) CS1HA-XXXMS
AU) CS3W-XXXMS
AV) CS3L-XXXMS
AW) CS3W-XXXMS (IEC1500V)
AX) CS3L-XXXMS (IEC1500V)
AY) CS3W-XXXMS (IEC1000V)
AZ) CS3L-XXXMS (IEC1000V)
BA) CS1C-XXXMS
BB) CS1N-XXXMS
BC) CS1E-XXMS
BD) CS1C-XXXMS (IEC35V)
BE) CS1N-XXXMS (IEC35V)
BF) CS3Y-XXXMS
BG) CS3N-XXXMS
BH) CS3Y-XXXP

Fortsetzung siehe Blatt 4 /
continued on page 4

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Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

BI) CS3Y-XXXMS (IEC1500V)
BJ) CS3N-XXXMS (IEC1500V)
BK) CS3Y-XXXP (IEC1500V)
BL) CS3Y-XXXMS (IEC1000V)
BM) CS3N-XXXMS (IEC1000V)
BN) CS3Y-XXXP (IEC1000V)
BO) CS5PH-XXXM
BP) CS5AH-XXXM
BQ) CS5PH-XXXP
BR) CS6XH-XXXM
BS) CS6PH-XXXM
BT) CS6AH-XXXM
BU) CS6XH-XXXP
BV) CS6PH-XXXP
BW) CS6AH-XXXP
BX) CS5PH-XXXM (IEC1500V)
BY) CS5AH-XXXM (IEC1500V)
BZ) CS5PH-XXXP (IEC1500V)
CA) CS6XH-XXXM (IEC1500V)
CB) CS6PH-XXXM (IEC1500V)
CC) CS6AH-XXXM (IEC1500V)
CD) CS6XH-XXXP (IEC1500V)
CE) CS6PH-XXXP (IEC1500V)
CF) CS6AH-XXXP (IEC1500V)
CG) CS5PH-XXXM (IEC1000V)
CH) CS5AH-XXXM (IEC1000V)
CI) CS5PH-XXXP (IEC1000V)
CJ) CS6XH-XXXM (IEC1000V)
CK) CS6PH-XXXM (IEC1000V)
CL) CS6AH-XXXM (IEC1000V)

Fortsetzung siehe Blatt 5 /
continued on page 5

Merianstrasse 28, D-63069 Offenbach

Phone +49 (0) 69 83 06-0
Telefax +49 (0) 69 83 06-555

SOLARONE.RO® SISTEME FOTOVOLTAICE

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
CSI Solar Co., Ltd., 199 Lushan Road, SND, 215129 SUZHOU, Jiangsu, CHINA

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Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

CM) CS6XH-XXXP (IEC1000V)
CN) CS6PH-XXXP (IEC1000V)
CO) CS6AH-XXXP (IEC1000V)
CP) CS3S-XXXMS
CQ) CS3S-XXXP
CR) CS3S-XXXMS (IEC1500V)
CS) CS3S-XXXP (IEC1500V)
CT) CS3S-XXXMS (IEC1000V)
CU) CS3S-XXXP (IEC1000V)
CV) CS1Y-XXXMS
CW) CS1W-XXXMS
CX) CS1Y-XXXMS (IEC1000V)
CY) CS1W-XXXMS (IEC1000V)
CZ) CS6Y-XXXMS
DA) CS6W-XXXMS
DB) CS3N-XXXP
DC) CS3LA-XXXMS
DD) CS3LB-XXXMS
DE) CS6Y-XXXMS (IEC1500V)
DF) CS6W-XXXMS (IEC1500V)
DG) CS3N-XXXP (IEC1500V)
DH) CS6Y-XXXMS (IEC1000V)
DI) CS6W-XXXMS (IEC1000V)
DJ) CS3N-XXXP (IEC1000V)
DK) CS3L-XXXMS-L
DL) CS3L-XXXP-L
DM) CS3L-XXXMS-L (IEC1500V)
DN) CS3L-XXXP-L (IEC1500V)
DO) CS3L-XXXMS-L (IEC1000V)
DP) CS3L-XXXP-L (IEC1000V)

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SOLARONE.RO® SISTEME FOTOVOLTAICE

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Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

DQ) CS7N-XXXMS
DR) CS7L-XXXMS
DS) CS7N-XXXMS (IEC1500V)
DT) CS7L-XXXMS (IEC1500V)
DU) CS7N-XXXMS (IEC1000V)
DV) CS7L-XXXMS (IEC1000V)
DW) CS3W-XXXMS-L
DX) CS3W-XXXP-L
DY) CS3W-XXXMS-L (IEC1500V)
DZ) CS3W-XXXP-L (IEC1500V)
EA) CS3W-XXXMS-L (IEC1000V)
EB) CS3W-XXXP-L (IEC1000V)
EC) CS3SA-XXXMS
ED) CS3SA-XXXMS (IEC1500V)
EE) CS3SA-XXXMS (IEC1000V)
EF) CS7L-XXXMS-R
EG) CS7L-XXXMS-R (IEC1500V)
EH) CS7L-XXXMS-R (IEC1000V)
EI) CS5P-XXXM-PLUS
EJ) CS5A-XXXM-PLUS
EK) CS5P-XXXM-PLUS (IEC1500V)
EL) CS5A-XXXM-PLUS (IEC1500V)
EM) CS5P-XXXM-PLUS (IEC1000V)
EN) CS5A-XXXM-PLUS (IEC1000V)
EO) CS6X-XXXP-PLUS
EP) CS6P-XXXP-PLUS
EQ) CS6A-XXXP-PLUS
ER) CS6X-XXXP-PLUS (IEC1500V)
ES) CS6P-XXXP-PLUS (IEC1500V)
ET) CS6A-XXXP-PLUS (IEC1500V)

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SOLARONE.RO SISTEME FOTOVOLTAICE

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letzte Änderung / *updated* 2023-11-07

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Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

EU) CS6X-XXXP-PLUS (IEC1000V)
EV) CS6P-XXXP-PLUS (IEC1000V)
EW) CS6A-XXXP-PLUS (IEC1000V)
EX) CS6R-XXXMS
EY) CS6R-XXXMS (IEC1500V)
EZ) CS6R-XXXMS (IEC1000V)
FA) CS6R-XXXMS-HL
FB) CS6R-XXXMS-HL (IEC1500V)
FC) CS6R-XXXMS-HL (IEC1000V)
FD) CS6RA-XXXMS
FE) CS6RB-XXXMS
FF) CS6RA-XXXMS (IEC1500V)
FG) CS6RB-XXXMS (IEC1500V)
FH) CS6RA-XXXMS (IEC1000V)
FI) CS6RB-XXXMS (IEC1000V)
FJ) CS6L-XXXMS
FK) CS6L-XXXMS (IEC1500V)
FL) CS6L-XXXMS (IEC1000V)
FM) CS6W-XXXT
FN) CS6R-XXXT
FO) CS6W-XXXT (IEC1500V)
FP) CS6R-XXXT (IEC1500V)
FQ) CS6W-XXXT (IEC1000V)
FR) CS6R-XXXT (IEC1000V)
FS) CS6W-XXXMB
FT) CS6R-XXXMB
FU) CS6R-XXXMB-HL
FV) CS6W-XXXMB (IEC1500V)
FW) CS6R-XXXMB (IEC1500V)
FX) CS6R-XXXMB-HL (IEC1500V)

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SOLARONE.RO® SISTEME FOTOVOLTAICE

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Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

FY) CS6W-XXXMB (IEC1000V)
FZ) CS6R-XXXMB (IEC1000V)
GA) CS6R-XXXMB-HL (IEC1000V)
GB) CS6.1-60TM-XXXH
GC) CS6.1-60TM-XXX
GD) CS6.1-54TM-XXXH
GE) CS6.1-54TM-XXX
GF) CS6.1-60TM-XXXH (IEC1500V)
GG) CS6.1-60TM-XXX (IEC1500V)
GH) CS6.1-54TM-XXXH (IEC1500V)
GI) CS6.1-54TM-XXX (IEC1500V)
GJ) CS6.1-60TM-XXXH (IEC1000V)
GK) CS6.1-60TM-XXX (IEC1000V)
GL) CS6.1-54TM-XXXH (IEC1000V)
GM) CS6.1-54TM-XXX (IEC1000V)

Weitere Angaben
Further information

siehe Anlage 100 vom 07.11.2023
siehe Anlagen 600 - 604 vom 07.11.2023
see annex 100 dated 2023-11-07
see annexes 600 - 604 dated 2023-11-07

Dieser Zeichengenehmigungsausweis bildet eine Grundlage für die EU-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten.
This Marks Approval is a basis for the EU Declaration of Conformity and the CE Marking by the manufacturer or his agent.

SOLARONE.RO® SISTEME FOTOVOLTAICE

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

Ausweis-Nr. / *Certificate No.* 40045991

Beiblatt / *Supplement*

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This supplement is part of the Certificate No. 40045991.

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Fertigungsstätte(n)
Place(s) of manufacture

Referenz/*Reference* **30018288**	Canadian Solar Manufacturing (Changshu) Inc. No. 2 Changsheng Road Xinzhuang Industrial Park 215562 CHANGSHU Jiangsu CHINA
Referenz/*Reference* **30021514**	Canadian Solar Solutions Inc. 545 Speedvale Avenue West GUELPH ON N1K 1E6 CANADA
Referenz/*Reference* **30023906**	Canadian Solar Manufacturing (Thailand) Co., LTD. 168/2 Moo4 Tambol Bowin AMPHOE SRIRACHA 20230 Chon Buri THAILAND
Referenz/*Reference* **30024972**	CSI Modules (DaFeng) Co., Ltd. No.5, yongsheng road, economic development zone, dafeng district 224100 YANCHENG CITY, DAFENG Jiangsu CHINA

SOLARONE.RO® SISTEME FOTOVOLTAICE

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

Ausweis-Nr. / *Certificate No.*
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Datum / *Date*
2017-03-16

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This supplement is part of the Certificate No. 40045991.

Referenz/*Reference*
30026354

Canadian Solar Sunenergy
(Jiaxing) Co., Ltd.
No. 1191 Bazi Road, Gaozhao Street
Xiuzhou District
314031 JIAXING CITY
Zhejiang
CHINA

Referenz/*Reference*
30026416

Canadian Solar Sunenergy
(Suqian) Co., Ltd.
No. 177, Tongda Avenue, Suqian
Economic and Technological Dev. Zone
223800 SUQIAN
Jiangsu
CHINA

SOLARONE.RO® SISTEME FOTOVOLTAICE

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

Ausweis-Nr. / *Certificate No.* 40045991

Infoblatt / *Info sheet*

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Genehmigung zum Benutzen des auf Seite 1 abgebildeten markenrechtlich geschützten Zeichens des VDE:

Grundlage für die Benutzung sind die Allgemeinen Geschäftsbedingungen (AGB) der VDE Prüf- und Zertifizierungsinstitut GmbH (www.vde.com\AGB-Institut). Das Recht zur Benutzung erstreckt sich nur auf die bezeichnete Firma mit den genannten Fertigungsstätten und die oben aufgeführten Produkte mit den zugeordneten Bezeichnungen. Die Fertigungsstätte muss so eingerichtet sein, dass eine gleichmäßige Herstellung der geprüften und zertifizierten Ausführung gewährleistet ist.
Die Genehmigung ist so lange gültig wie die VDE-Bestimmungen gelten, die der Zertifizierung zugrunde gelegen haben, sofern sie nicht auf Grund anderer Bedingungen aus der VDE Prüf- und Zertifizierungsordnung (PM102) zurückgezogen werden muss.
Der Gültigkeitszeitraum einer VDE-GS-Zeichengenehmigung kann auf Antrag verlängert werden. Bei gesetzlichen und / oder normativen Änderungen kann die VDE-GS-Zeichengenehmigung ihre Gültigkeit zu einem früheren als dem angegebenen Datum verlieren.
Produkte, die das Biozid Dimethylfumarat (DMF) enthalten, dürfen gemäß der Kommissionsentscheidung 2009/251/EG nicht mehr in den Verkehr gebracht oder auf dem Markt bereitgestellt werden.
Der VDE-Zeichengenehmigungsausweis wird ausschließlich auf der ersten Seite unterzeichnet.

Approval to use the legally protected Mark of the VDE as shown on the first page:
Basis for the use are the general terms and conditions of the VDE Testing and Certification Institute (www.vde.com\terms-institute). The right to use the mark is granted only to the mentioned company with the named places of manufacture and the listed products with the related type references. The place of manufacture shall be equipped in a way that a constant manufacturing of the certified construction is assured.
The approval is valid as long as the VDE specifications are in force, on which the certification is based on, unless it is withdrawn according to the VDE Testing and Certification Procedure (PM102E).
The validity period of a VDE-GS-Mark Approval may be prolonged on request. In case of changes in legal and / or normative requirements, the validity period of a VDE-GS-Mark Approval may be shortened.
Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.
The approval is solely signed on the first page.

Certificate of Compliance

Certificate: 80039108 **Master Contract:** 249143

Project: 80182955 **Date Issued:** 2023-12-01

Issued to: CSI Solar Co., Ltd.
199 Lushan Road, SND
Suzhou, Jiangsu 215129
China
Attention: Yuan Zhou

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only

C US

Issued by: *Simon Shen*
Simon Shen

PRODUCTS

CLASS - C531190 - POWER SUPPLIES-Photovoltaic Modules and Panels - Certified to US Standards
CLASS - C531110 - POWER SUPPLIES-Photovoltaic Modules and Panels

Photovoltaic modules with maximum DC system voltage of 1500 V or 1000V, Safety Class II, Module Fire Performance Type 1 or Type 2.

Model Series:
CS3Y-xxxMS (xxx = 470 to 515 W),
CS3Y-xxxP (xxx = 435 to 485 W),
CS3N-xxxMS (xxx = 375 to 435 W),
CS3W-xxxP (xxx = 385 to 450 W),
CS3L-xxxP (xxx = 340 to 375 W),
CS3W-xxxMS (xxx = 405 to 470 W),
CS3L-xxxMS (xxx = 345 to 390 W),
CS3U-xxxMS (xxx = 350 to 410 W),
CS3K-xxxMS (xxx = 295 to 345 W),
CS3U-xxxP (xxx = 345 to 405 W),
CS3K-xxxP (xxx = 290 to 340 W),

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CS1H-xxxMS (xxx = 310 to 345 W),
CS6U-xxxP (xxx = 310 to 340 W),
CS6XH-xxxP (xxx = 295 to 345 W),
CS6XH-xxxM (xxx = 330 to 375 W),
CS6PH-xxxP (xxx = 240 to 280 W),
CS6PH-xxxM (xxx = 270 to 310 W),
CS6AH-xxxP (xxx = 185 to 220 W),
CS6AH-xxxM (xxx = 215 to 235 W),
CS5PH-xxxP (xxx = 235 to 260 W),
CS5PH-xxxM (xxx = 250 to 275 W),
CS1Y-xxxMS (xxx = 380 to 415 W),
CS1W-xxxMS (xxx = 350 to 385 W),
CS6Y-xxxMS (xxx = 570 to 605 W),
CS6W-xxxMS (xxx = 530 to 560 W),
CS6L-xxxMS (xxx = 440 to 460 W),
CS6R-xxxMS (xxx = 380 to 420 W),
CS6R-xxxMS-HL (xxx = 380 to 420 W),
CS7N-xxxMS (xxx = 635 to 680 W),
CS7L-xxxMS (xxx = 575 to 620 W),
CS7L-xxxMS-R (xxx = 575 to 620 W),
CS5A-xxxM-PLUS (xxx = 200 to 220 W),
CS5P-xxxM-PLUS (xxx = 250 to 270 W),
CS6A-xxxP-PLUS (xxx = 200 to 250 W),
CS6P-xxxP-PLUS (xxx =255 to 320 W),
CS6X-xxxP-PLUS (xxx = 310 to 375 W),
CS6W-xxxT (xxx = 540 to 605 W),
CS6R-xxxT (xxx = 400 to 455 W),
CS6R-xxxMB (xxx = 380 to 420 W),
CS6R-xxxMB-HL (xxx = 380 to 420 W),
CS6W-xxxMB (xxx = 510 to 560 W),
CS6.1-72TM-xxx (xxx = 575 to 635 W),
CS6.1-60TM-xxxH (xxx = 470 to 525 W),
CS6.1-60TM-xxx (xxx = 470 to 525 W),
CS6.1-54TM-xxxH (xxx = 430 to 480 W),
CS6.1-54TM-xxx (xxx = 430 to 480 W).

Model Type	Maximum DC System Voltage (V)	Open Circuit Voltage (V)	Maximum power voltage (V)	Short Circuit Current (A)	Maximum power current (A)	Maximum Power (Watts)	Maxium overcurren t protection rating (A)
CS3W-385P	1500	46.6	38.1	10.66	10.11	385	20
CS3W-390P	1500	46.8	38.3	10.74	10.19	390	20
CS3W-395P	1500	47.0	38.5	10.82	10.26	395	20
CS3W-400P	1500	47.2	38.7	10.90	10.34	400	20

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Model Type	Maximum DC System Voltage (V)	Open Circuit Voltage (V)	Maximum power voltage (V)	Short Circuit Current (A)	Maximum power current (A)	Maximum Power (Watts)	Maxium overcurren t protection rating (A)
CS3W-405P	1500	47.4	38.9	10.98	10.42	405	20
CS3W-410P	1500	47.6	39.1	11.06	10.49	410	20
CS3W-415P	1500	47.8	39.3	11.14	10.56	415	20
CS3W-420P	1500	48.0	39.5	11.26	10.64	420	20
CS3W-425P	1500	48.2	39.7	11.29	10.71	425	20
CS3W-430P	1500	48.4	39.9	11.32	10.78	430	20
CS3W-435P	1500	48.6	40.1	11.35	10.85	435	20
CS3W-440P	1500	48.7	40.3	11.40	10.92	440	20
CS3W-445P	1500	48.8	40.5	11.45	10.99	445	20
CS3W-450P	1500	49.0	40.7	11.53	11.06	450	20
CS3L-340P	1500	39.6	32.6	10.98	10.43	340	20
CS3L-345P	1500	39.8	32.8	11.06	10.52	345	20
CS3L-350P	1500	40.2	33.0	11.24	10.61	350	20
CS3L-355P	1500	40.4	33.2	11.31	10.70	355	20
CS3L-360P	1500	40.6	33.4	11.37	10.78	360	20
CS3L-365P	1500	40.8	33.6	11.44	10.87	365	20
CS3L-370P	1500	41.0	33.8	11.51	10.95	370	20
CS3L-375P	1500	41.2	34.0	11.59	11.03	375	20
CS1H-310MS	1000	43.8	35.4	9.52	8.76	310	16
CS1H-315MS	1000	43.9	35.8	9.56	8.80	315	16
CS1H-320MS	1000	44.0	36.2	9.60	8.85	320	16
CS1H-325MS	1000	44.1	36.6	9.64	8.88	325	16
CS1H-330MS	1000	44.2	37.0	9.68	8.92	330	16
CS1H-335MS	1000	44.3	37.4	9.72	8.96	335	16
CS1H-340MS	1000	44.5	37.8	9.76	9.00	340	16
CS1H-345MS	1000	44.6	38.2	9.80	9.04	345	16
CS3W-405MS	1500	47.3	39.3	11.12	10.31	405	20
CS3W-410MS	1500	47.5	39.5	11.17	10.38	410	20
CS3W-415MS	1500	47.7	39.7	11.22	10.46	415	20
CS3W-420MS	1500	47.9	39.9	11.27	10.53	420	20
CS3W-425MS	1500	48.1	40.1	11.32	10.6	425	20
CS3W-430MS	1500	48.3	40.3	11.37	10.68	430	20
CS3W-435MS	1500	48.5	40.5	11.42	10.75	435	20
CS3W-440MS	1500	48.7	40.7	11.48	10.82	440	20
CS3W-445MS	1500	48.9	40.9	11.54	10.89	445	20
CS3W-450MS	1500	49.1	41.1	11.6	10.96	450	20
CS3W-455MS	1500	49.3	41.3	11.66	11.02	455	20
CS3W-460MS	1500	49.5	41.5	11.72	11.09	460	20

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Model Type	Maximum DC System Voltage (V)	Open Circuit Voltage (V)	Maximum power voltage (V)	Short Circuit Current (A)	Maximum power current (A)	Maximum Power (Watts)	Maxium overcurren t protection rating (A)
CS3W-465MS	1500	49.7	41.7	11.78	11.16	465	20
CS3W-470MS	1500	49.9	41.9	11.84	11.22	470	20
CS3L-345MS	1500	39.8	33.1	11.23	10.43	345	20
CS3L-350MS	1500	40	33.3	11.28	10.52	350	20
CS3L-355MS	1500	40.2	33.5	11.33	10.61	355	20
CS3L-360MS	1500	40.4	33.7	11.4	10.69	360	20
CS3L-365MS	1500	40.6	33.9	11.47	10.78	365	20
CS3L-370MS	1500	40.8	34.1	11.54	10.86	370	20
CS3L-375MS	1500	41	34.3	11.61	10.94	375	20
CS3L-380MS	1500	41.2	34.5	11.68	11.02	380	20
CS3L-385MS	1500	41.4	34.7	11.75	11.1	385	20
CS3L-390MS	1500	41.6	34.9	11.82	11.18	390	20
CS3U-350MS	1500	46.6	38.8	9.53	9.03	350	30
CS3U-355MS	1500	46.8	39	9.61	9.11	355	30
CS3U-360MS	1500	47	39.2	9.69	9.19	360	30
CS3U-365MS	1500	47.2	39.4	9.77	9.27	365	30
CS3U-370MS	1500	47.4	39.6	9.85	9.35	370	30
CS3U-375MS	1500	47.6	39.8	9.93	9.43	375	30
CS3U-380MS	1500	47.8	40	10.01	9.5	380	30
CS3U-385MS	1500	48	40.2	10.09	9.58	385	30
CS3U-390MS	1500	48.2	40.4	10.17	9.66	390	30
CS3U-395MS	1500	48.4	40.6	10.25	9.73	395	30
CS3U-400MS	1500	48.6	40.8	10.33	9.81	400	30
CS3U-405MS	1500	49.3	41	10.44	9.88	405	30
CS3U-410MS	1500	49.5	41.2	10.52	9.96	410	30
CS3K-295MS	1500	39.1	32.3	9.73	9.14	295	30
CS3K-300MS	1500	39.3	32.5	9.82	9.24	300	30
CS3K-305MS	1500	39.5	32.7	9.9	9.33	305	30
CS3K-310MS	1500	39.7	32.9	9.98	9.43	310	30
CS3K-315MS	1500	39.9	33.1	10.06	9.52	315	30
CS3K-320MS	1500	40.1	33.3	10.14	9.61	320	30
CS3K-325MS	1500	40.3	33.5	10.22	9.71	325	30
CS3K-330MS	1500	40.5	33.7	10.3	9.8	330	30
CS3K-335MS	1500	41.2	33.9	10.39	9.89	335	30
CS3K-340MS	1500	41.4	34.1	10.49	9.98	340	30
CS3K-345MS	1500	41.6	34.3	10.58	10.06	345	30
CS3U-345P	1500	46.1	38.6	9.44	8.94	345	30
CS3U-350P	1500	46.6	39.2	9.51	8.94	350	30

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Model Type	Maximum DC System Voltage (V)	Open Circuit Voltage (V)	Maximum power voltage (V)	Short Circuit Current (A)	Maximum power current (A)	Maximum Power (Watts)	Maxium overcurren t protection rating (A)
CS3U-355P	1500	46.8	39.4	9.59	9.02	355	30
CS3U-360P	1500	47.0	39.6	9.67	9.10	360	30
CS3U-365P	1500	47.2	39.8	9.75	9.18	365	30
CS3U-370P	1500	47.4	40.0	9.83	9.26	370	30
CS3U-375P	1500	47.6	40.2	9.91	9.34	375	30
CS3U-380P	1500	47.8	40.4	9.99	9.42	380	30
CS3U-385P	1500	48.0	40.6	10.07	9.50	385	30
CS3U-390P	1500	48.6	40.8	10.17	9.56	390	30
CS3U-395P	1500	48.8	41.0	10.24	9.64	395	30
CS3U-400P	1500	49.0	41.2	10.30	9.71	400	30
CS3U-405P	1500	49.2	41.4	10.37	9.79	405	30
CS3K-290P	1500	38.9	32.3	9.49	8.98	290	30
CS3K-295P	1500	39.1	32.5	9.57	9.08	295	30
CS3K-300P	1500	39.3	32.7	9.65	9.18	300	30
CS3K-305P	1500	39.5	32.9	9.73	9.28	305	30
CS3K-310P	1500	39.7	33.1	9.81	9.37	310	30
CS3K-315P	1500	39.9	33.3	9.89	9.46	315	30
CS3K-320P	1500	40.1	33.5	9.97	9.56	320	30
CS3K-325P	1500	40.9	33.7	10.21	9.65	325	30
CS3K-330P	1500	41.1	33.9	10.29	9.74	330	30
CS3Y-470MS	1500	52.5	43.8	11.47	10.74	470	20
CS3Y-475MS	1500	52.7	44.0	11.52	10.81	475	20
CS3Y-480MS	1500	52.9	44.2	11.57	10.87	480	20
CS3Y-485MS	1500	53.1	44.4	11.62	10.94	485	20
CS3Y-490MS	1500	53.3	44.6	11.67	11.00	490	20
CS3Y-495MS	1500	53.5	44.8	11.72	11.06	495	20
CS3Y-500MS	1500	53.7	45.0	11.77	11.12	500	20
CS3Y-505MS	1500	53.9	45.2	11.82	11.18	505	20
CS3Y-510MS	1500	54.1	45.4	11.87	11.24	510	20
CS3Y-515MS	1500	54.3	45.6	11.92	11.30	515	20
CS3Y-435P	1500	51.0	41.8	11.13	10.41	435	20
CS3Y-440P	1500	51.2	42.0	11.18	10.48	440	20
CS3Y-445P	1500	51.4	42.2	11.23	10.55	445	20
CS3Y-450P	1500	51.6	42.4	11.28	10.62	450	20
CS3Y-455P	1500	51.8	42.6	11.33	10.69	455	20
CS3Y-460P	1500	52.0	42.8	11.38	10.75	460	20
CS3Y-465P	1500	52.2	43.0	11.43	10.82	465	20
CS3Y-470P	1500	52.4	43.2	11.48	10.88	470	20

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Model Type	Maximum DC System Voltage (V)	Open Circuit Voltage (V)	Maximum power voltage (V)	Short Circuit Current (A)	Maximum power current (A)	Maximum Power (Watts)	Maxium overcurren t protection rating (A)
CS3Y-475P	1500	52.6	43.4	11.53	10.95	475	20
CS3Y-480P	1500	52.8	43.6	11.58	11.01	480	20
CS3Y-485P	1500	53.0	43.8	11.63	11.08	485	20
CS3N-375MS	1500	43.5	36.2	11.20	10.36	375	20
CS3N-380MS	1500	43.7	36.4	11.26	10.44	380	20
CS3N-385MS	1500	43.9	36.6	11.32	10.52	385	20
CS3N-390MS	1500	44.1	36.8	11.38	10.60	390	20
CS3N-395MS	1500	44.3	37.0	11.44	10.68	395	20
CS3N-400MS	1500	44.5	37.2	11.50	10.76	400	20
CS3N-405MS	1500	44.7	37.4	11.56	10.83	405	20
CS3N-410MS	1500	44.9	37.6	11.62	10.92	410	20
CS3N-415MS	1500	45.1	37.8	11.68	10.98	415	20
CS3N-420MS	1500	45.3	38.0	11.74	11.06	420	20
CS3N-425MS	1500	45.5	38.2	11.80	11.13	425	20
CS3N-430MS	1500	45.7	38.4	11.86	11.20	430	20
CS3N-435MS	1500	45.9	38.6	11.92	11.27	435	20
CS6U-310P	1500	44.9	36.4	9.08	8.52	310	15
CS6U-315P	1500	45.1	36.6	9.18	8.61	315	15
CS6U-320P	1500	45.3	36.8	9.26	8.69	320	15
CS6U-325P	1500	45.5	37.0	9.34	8.78	325	15
CS6U-330P	1500	45.6	37.2	9.45	8.88	330	15
CS6U-335P	1500	45.8	37.4	9.54	8.96	335	15
CS6U-340P	1500	45.9	37.6	9.62	9.05	340	15
CS6XH-295P	1500	41.4	34.4	9.52	8.58	295	20
CS6XH-300P	1500	41.6	34.6	9.56	8.68	300	20
CS6XH-305P	1500	41.8	34.8	9.60	8.77	305	20
CS6XH-310P	1500	42.0	35.0	9.64	8.86	310	20
CS6XH-315P	1500	42.2	35.2	9.68	8.95	315	20
CS6XH-320P	1500	42.4	35.4	9.72	9.04	320	20
CS6XH-325P	1500	42.6	35.6	9.76	9.13	325	20
CS6XH-330P	1500	42.8	35.8	9.83	9.22	330	20
CS6XH-335P	1500	43.0	36.0	9.90	9.31	335	20
CS6XH-340P	1500	43.2	36.2	9.97	9.40	340	20
CS6XH-345P	1500	43.4	36.4	10.04	9.49	345	20
CS6XH-330M	1500	43.8	35.6	9.76	9.27	330	20
CS6XH-335M	1500	44.0	35.9	9.82	9.34	335	20
CS6XH-340M	1500	44.2	36.2	9.88	9.40	340	20
CS6XH-345M	1500	44.4	36.5	9.94	9.46	345	20

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CS6XH-350M	1500	44.6	36.8	10.00	9.52	350	20
CS6XH-355M	1500	44.8	37.1	10.06	9.57	355	20
CS6XH-360M	1500	45.0	37.4	10.12	9.63	360	20
CS6XH-365M	1500	45.2	37.7	10.18	9.69	365	20
CS6XH-370M	1500	45.4	38.0	10.24	9.74	370	20
CS6XH-375M	1500	45.6	38.3	10.30	9.80	375	20
CS6PH-240P	1500	33.8	28.2	9.41	8.52	240	20
CS6PH-245P	1500	34.0	28.4	9.48	8.63	245	20
CS6PH-250P	1500	34.2	28.6	9.55	8.75	250	20
CS6PH-255P	1500	34.4	28.8	9.62	8.86	255	20
CS6PH-260P	1500	34.6	29.0	9.69	8.97	260	20
CS6PH-265P	1500	34.8	29.2	9.76	9.08	265	20
CS6PH-270P	1500	35.0	29.4	9.83	9.19	270	20
CS6PH-275P	1500	35.2	29.6	9.90	9.30	275	20
CS6PH-280P	1500	35.4	29.8	9.97	9.40	280	20
CS6PH-270M	1500	36.1	29.4	9.85	9.20	270	20
CS6PH-275M	1500	36.3	29.7	9.90	9.27	275	20
CS6PH-280M	1500	36.5	30.0	9.96	9.34	280	20
CS6PH-285M	1500	36.7	30.3	10.02	9.41	285	20
CS6PH-290M	1500	36.9	30.6	10.08	9.48	290	20
CS6PH-295M	1500	37.1	30.9	10.14	9.55	295	20
CS6PH-300M	1500	37.3	31.2	10.19	9.62	300	20
CS6PH-305M	1500	37.5	31.5	10.25	9.69	305	20
CS6PH-310M	1500	37.7	31.8	10.31	9.75	310	20
CS6AH-185P	1500	25.8	21.8	9.48	8.49	185	20
CS6AH-190P	1500	26.1	22.0	9.55	8.64	190	20
CS6AH-195P	1500	26.4	22.2	9.62	8.79	195	20
CS6AH-200P	1500	26.7	22.4	9.69	8.93	200	20
CS6AH-205P	1500	27.0	22.6	9.76	9.08	205	20
CS6AH-210P	1500	27.3	22.8	9.83	9.22	210	20
CS6AH-215P	1500	27.6	23.0	9.90	9.36	215	20
CS6AH-220P	1500	27.9	23.2	9.97	9.49	220	20
CS6AH-215M	1500	27.8	22.9	9.97	9.39	215	20
CS6AH-220M	1500	28.1	23.3	10.03	9.45	220	20
CS6AH-225M	1500	28.4	23.7	10.09	9.50	225	20
CS6AH-230M	1500	28.7	24.1	10.15	9.55	230	20
CS6AH-235M	1500	29.0	24.5	10.21	9.60	235	20
CS5PH-235P	1500	62.6	50.8	4.93	4.63	235	15

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CS5PH-240P	1500	62.8	51.0	5.00	4.71	240	15
CS5PH-245P	1500	63.0	51.4	5.07	4.79	245	15
CS5PH-250P	1500	63.2	51.4	5.14	4.87	250	15
CS5PH-255P	1500	63.4	51.6	5.21	4.95	255	15
CS5PH-260P	1500	63.6	51.8	5.28	5.02	260	15
CS5PH-250M	1500	63.4	53.4	5.00	4.69	250	15
CS5PH-255M	1500	63.6	53.6	5.06	4.76	255	15
CS5PH-260M	1500	63.8	53.8	5.13	4.84	260	15
CS5PH-265M	1500	64.0	54.0	5.20	4.91	265	15
CS5PH-270M	1500	64.2	54.2	5.27	4.99	270	15
CS5PH-275M	1500	64.4	54.4	5.34	5.06	275	15
CS1Y-380MS	1500	51.5	42.7	9.74	8.89	380	16
CS1Y-385MS	1500	51.7	42.9	9.78	8.97	385	16
CS1Y-390MS	1500	51.9	43.1	9.82	9.05	390	16
CS1Y-395MS	1500	52.1	43.3	9.86	9.13	395	16
CS1Y-400MS	1500	52.3	43.5	9.90	9.20	400	16
CS1Y-405MS	1500	52.5	43.7	9.94	9.27	405	16
CS1Y-410MS	1500	52.7	43.8	9.98	9.37	410	16
CS1Y-415MS	1500	52.8	44.0	10.02	9.44	415	16
CS1W-350MS	1500	46.5	39.3	9.74	8.91	350	16
CS1W-355MS	1500	47.2	39.5	9.78	9.00	355	16
CS1W-360MS	1500	47.9	39.7	9.82	9.07	360	16
CS1W-365MS	1500	48.1	39.9	9.86	9.15	365	16
CS1W-370MS	1500	48.3	40.1	9.90	9.23	370	16
CS1W-375MS	1500	48.5	40.3	9.94	9.31	375	16
CS1W-380MS	1500	48.7	40.5	9.98	9.39	380	16
CS1W-385MS	1500	48.9	40.7	10.03	9.46	385	16
CS6Y-570MS	1500	52.8	43.8	13.77	13.02	570	25
CS6Y-575MS	1500	53	44	13.82	13.07	575	25
CS6Y-580MS	1500	53.2	44.2	13.87	13.13	580	25
CS6Y-585MS	1500	53.4	44.4	13.92	13.18	585	25
CS6Y-590MS	1500	53.6	44.6	13.97	13.23	590	25
CS6Y-595MS	1500	53.8	44.8	14.02	13.29	595	25
CS6Y-600MS	1500	54	45	14.07	13.34	600	25
CS6Y-605MS	1500	54.2	45.2	14.12	13.39	605	25
CS6W-530MS	1500	48.8	40.9	13.8	12.96	530	25
CS6W-535MS	1500	49	41.1	13.85	13.02	535	25
CS6W-540MS	1500	49.2	41.3	13.9	13.08	540	25

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CS6W-545MS	1500	49.4	41.5	13.95	13.14	545	25
CS6W-550MS	1500	49.6	41.7	14	13.2	550	25
CS6W-555MS	1500	49.8	41.9	14.05	13.25	555	25
CS6W-560MS	1500	50.0	42.1	14.10	13.31	560	25
CS6L-440MS	1500	40.6	34.0	13.82	12.95	440	25
CS6L-445MS	1500	40.8	34.2	13.86	13.03	445	25
CS6L-450MS	1500	41.0	34.4	13.90	13.10	450	25
CS6L-455MS	1500	41.2	34.6	13.95	13.17	455	25
CS6L-460MS	1500	41.4	34.8	14.00	13.24	460	25
CS6R-380MS	1500	36.0	30.0	13.55	12.69	380	25
CS6R-385MS	1500	36.2	30.2	13.63	12.77	385	25
CS6R-390MS	1500	36.4	30.4	13.70	12.84	390	25
CS6R-395MS	1500	36.6	30.6	13.77	12.91	395	25
CS6R-400MS	1500	36.8	30.8	13.85	12.99	400	25
CS6R-405MS	1500	37.0	31.0	13.93	13.07	405	25
CS6R-410MS	1500	37.2	31.2	14.01	13.15	410	25
CS6R-415MS	1500	37.4	31.4	14.09	13.23	415	25
CS6R-420MS	1500	37.6	31.6	14.17	13.31	420	25
CS6R-380MS-HL	1500	36.0	30.0	13.55	12.69	380	25
CS6R-385MS-HL	1500	36.2	30.2	13.63	12.77	385	25
CS6R-390MS-HL	1500	36.4	30.4	13.70	12.84	390	25
CS6R-395MS-HL	1500	36.6	30.6	13.77	12.91	395	25
CS6R-400MS-HL	1500	36.8	30.8	13.85	12.99	400	25
CS6R-405MS-HL	1500	37.0	31.0	13.93	13.07	405	25
CS6R-410MS-HL	1500	37.2	31.2	14.01	13.15	410	25
CS6R-415MS-HL	1500	37.4	31.4	14.09	13.23	415	25
CS6R-420MS-HL	1500	37.6	31.6	14.17	13.31	420	25
CS7N-635MS	1500	44.4	37.3	18.27	17.03	635	30
CS7N-640MS	1500	44.6	37.5	18.31	17.07	640	30
CS7N-645MS	1500	44.8	37.7	18.35	17.11	645	30
CS7N-650MS	1500	45	37.9	18.39	17.16	650	30
CS7N-655MS	1500	45.2	38.1	18.43	17.2	655	30
CS7N-660MS	1500	45.4	38.3	18.47	17.24	660	30
CS7N-665MS	1500	45.6	38.5	18.51	17.28	665	30
CS7N-670MS	1500	45.8	38.7	18.55	17.32	670	30
CS7N-675MS	1500	46.0	38.9	18.59	17.36	675	30
CS7N-680MS	1500	46.2	39.1	18.63	17.40	680	30
CS7L-575MS	1500	40.3	33.9	18.22	16.97	575	30

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CS7L-580MS	1500	40.5	34.1	18.27	17.02	580	30
CS7L-585MS	1500	40.7	34.3	18.32	17.06	585	30
CS7L-590MS	1500	40.9	34.5	18.37	17.11	590	30
CS7L-595MS	1500	41.1	34.7	18.42	17.15	595	30
CS7L-600MS	1500	41.3	34.9	18.47	17.2	600	30
CS7L-605MS	1500	41.5	35.1	18.52	17.25	605	30
CS7L-610MS	1500	41.7	35.3	18.57	17.29	610	30
CS7L-615MS	1500	41.9	35.4	18.62	17.38	615	30
CS7L-620MS	1500	42.1	35.5	18.67	17.47	620	30
CS7L-575MS-R	1500	40.3	33.9	18.22	16.97	575	30
CS7L-580MS-R	1500	40.5	34.1	18.27	17.02	580	30
CS7L-585MS-R	1500	40.7	34.3	18.32	17.06	585	30
CS7L-590MS-R	1500	40.9	34.5	18.37	17.11	590	30
CS7L-595MS-R	1500	41.1	34.7	18.42	17.15	595	30
CS7L-600MS-R	1500	41.3	34.9	18.47	17.2	600	30
CS7L-605MS-R	1500	41.5	35.1	18.52	17.25	605	30
CS7L-610MS-R	1500	41.7	35.3	18.57	17.29	610	30
CS7L-615MS-R	1500	41.9	35.4	18.62	17.38	615	30
CS7L-620MS-R	1500	42.1	35.5	18.67	17.47	620	30
CS5A-200M-PLUS	1500	45.7	37.9	5.66	5.28	200	15
CS5A-205M-PLUS	1500	45.9	38.1	5.74	5.39	205	15
CS5A-210M-PLUS	1500	46.1	38.3	5.82	5.49	210	15
CS5A-215M-PLUS	1500	46.3	38.5	5.90	5.59	215	15
CS5A-220M-PLUS	1500	46.5	38.7	5.98	5.69	220	15
CS5P-250M-PLUS	1500	56.9	47.2	5.66	5.30	250	15
CS5P-255M-PLUS	1500	57.1	47.4	5.74	5.39	255	15
CS5P-260M-PLUS	1500	57.3	47.6	5.82	5.47	260	15
CS5P-265M-PLUS	1500	57.5	47.8	5.90	5.55	265	15
CS5P-270M-PLUS	1500	57.7	48.0	5.98	5.63	270	15
CS6A-200P-PLUS	1500	29.3	24.1	9.05	8.31	200	20
CS6A-205P-PLUS	1500	29.5	24.3	9.11	8.45	205	20
CS6A-210P-PLUS	1500	29.7	24.5	9.17	8.58	210	20
CS6A-215P-PLUS	1500	29.9	24.7	9.23	8.71	215	20
CS6A-220P-PLUS	1500	30.1	24.9	9.29	8.84	220	20
CS6A225-P-PLUS	1500	30.3	25.1	9.42	8.97	225	20
CS6A-230P-PLUS	1500	30.5	25.3	9.56	9.10	230	20
CS6A-235P-PLUS	1500	30.7	25.5	9.70	9.23	235	20
CS6A-240P-PLUS	1500	30.9	25.7	9.81	9.34	240	20

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CS6A-245P-PLUS	1500	31.1	25.9	9.95	9.47	245	20
CS6A-250P-PLUS	1500	31.3	26.1	10.08	9.59	250	20
CS6P-255P-PLUS	1500	37.3	30.8	8.94	8.29	255	20
CS6P-260P-PLUS	1500	37.5	31.0	9.01	8.40	260	20
CS6P-265P-PLUS	1500	37.7	31.2	9.09	8.51	265	20
CS6P-270P-PLUS	1500	37.9	31.4	9.17	8.61	270	20
CS6P-275P-PLUS	1500	38.1	31.6	9.23	8.71	275	20
CS6P-280P-PLUS	1500	38.3	31.8	9.29	8.82	280	20
CS6P-285P-PLUS	1500	38.5	32.0	9.40	8.92	285	20
CS6P-290P-PLUS	1500	38.7	32.2	9.48	9.01	290	20
CS6P-295P-PLUS	1500	38.9	32.4	9.60	9.11	295	20
CS6P-300P-PLUS	1500	39.1	32.6	9.71	9.22	300	20
CS6P-305P-PLUS	1500	39.3	32.8	9.82	9.30	305	20
CS6P-310P-PLUS	1500	39.5	33.0	9.93	9.40	310	20
CS6P-315P-PLUS	1500	39.7	33.2	10.04	9.50	315	20
CS6P-320P-PLUS	1500	39.9	33.4	10.15	9.59	320	20
CS6X-310P-PLUS	1500	45.3	37.9	8.94	8.19	310	20
CS6X-315P-PLUS	1500	45.5	38.1	9.00	8.28	315	20
CS6X-320P-PLUS	1500	45.7	38.3	9.06	8.37	320	20
CS6X-325P-PLUS	1500	45.9	38.5	9.12	8.46	325	20
CS6X-330P-PLUS	1500	46.1	38.7	9.17	8.54	330	20
CS6X-335P-PLUS	1500	46.3	38.9	9.23	8.62	335	20
CS6X-340P-PLUS	1500	46.5	39.1	9.29	8.71	340	20
CS6X-345P-PLUS	1500	46.7	39.3	9.35	8.79	345	20
CS6X-350P-PLUS	1500	46.9	39.5	9.40	8.87	350	20
CS6X-355P-PLUS	1500	47.1	39.7	9.47	8.95	355	20
CS6X-360P-PLUS	1500	47.3	39.9	9.52	9.03	360	20
CS6X-365P-PLUS	1500	47.5	40.1	9.58	9.12	365	20
CS6X-370P-PLUS	1500	47.7	40.3	9.66	9.20	370	20
CS6X-375P-PLUS	1500	47.9	40.5	9.74	9.27	375	20
CS6W-540T	1500	50.6	41.5	13.47	13.02	540	25
CS6W-545T	1500	50.8	41.7	13.54	13.07	545	25
CS6W-550T	1500	51.0	41.9	13.59	13.13	550	25
CS6W-555T	1500	51.2	42.1	13.64	13.19	555	25
CS6W-560T	1500	51.4	42.3	13.69	13.24	560	25
CS6W-565T	1500	51.6	42.5	13.75	13.30	565	25
CS6W-570T	1500	51.8	42.7	13.81	13.35	570	25
CS6W-575T	1500	52.0	42.9	13.88	13.41	575	25

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CS6W-580T	1500	52.2	43.1	13.93	13.46	580	25
CS6W-585T	1500	52.4	43.3	14.00	13.52	585	25
CS6W-590T	1500	52.6	43.5	14.06	13.57	590	25
CS6W-595T	1500	52.8	43.7	14.12	13.62	595	25
CS6W-600T	1500	53.0	43.9	14.18	13.68	600	25
CS6W-605T	1500	53.2	44.1	14.24	13.73	605	25
CS6R-400T	1500	37.8	30.8	13.51	13.01	400	25
CS6R-405T	1500	38.0	31.0	13.56	13.08	405	25
CS6R-410T	1500	38.2	31.2	13.61	13.15	410	25
CS6R-415T	1500	38.4	31.4	13.66	13.22	415	25
CS6R-420T	1500	38.6	31.6	13.71	13.30	420	25
CS6R-425T	1500	38.8	31.8	13.78	13.37	425	25
CS6R-430T	1500	39.0	32.0	13.86	13.44	430	25
CS6R-435T	1500	39.2	32.2	13.94	13.51	435	25
CS6R-440T	1500	39.4	32.4	14.01	13.59	440	25
CS6R-445T	1500	39.6	32.6	14.09	13.66	445	25
CS6R-450T	1500	39.8	32.8	14.16	13.72	450	25
CS6R-455T	1500	40.0	33.0	14.24	13.79	455	25
CS6R-380MB	1500	36.8	30.6	13.09	12.44	380	30
CS6R-385MB	1500	37.0	30.8	13.17	12.52	385	30
CS6R-390MB	1500	37.2	31.0	13.25	12.60	390	30
CS6R-395MB	1500	37.4	31.2	13.33	12.68	395	30
CS6R-400MB	1500	37.6	31.4	13.41	12.76	400	30
CS6R-405MB	1500	37.8	31.6	13.49	12.84	405	30
CS6R-410MB	1500	38.0	31.8	13.57	12.91	410	30
CS6R-415MB	1500	38.2	32.0	13.65	12.98	415	30
CS6R-420MB	1500	38.4	32.2	13.73	13.05	420	30
CS6R-380MB-HL	1500	36.8	30.6	13.09	12.44	380	30
CS6R-385MB-HL	1500	37.0	30.8	13.17	12.52	385	30
CS6R-390MB-HL	1500	37.2	31.0	13.25	12.60	390	30
CS6R-395MB-HL	1500	37.4	31.2	13.33	12.68	395	30
CS6R-400MB-HL	1500	37.6	31.4	13.41	12.76	400	30
CS6R-405MB-HL	1500	37.8	31.6	13.49	12.84	405	30
CS6R-410MB-HL	1500	38.0	31.8	13.57	12.91	410	30
CS6R-415MB-HL	1500	38.2	32.0	13.65	12.98	415	30
CS6R-420MB-HL	1500	38.4	32.2	13.73	13.05	420	30
CS6W-510MB	1500	48.0	40.1	13.60	12.72	510	30
CS6W-515MB	1500	48.2	40.3	13.65	12.78	515	30

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CS6W-520MB	1500	48.4	40.5	13.70	12.84	520	30
CS6W-525MB	1500	48.6	40.7	13.75	12.90	525	30
CS6W-530MB	1500	48.8	40.9	13.80	12.96	530	30
CS6W-535MB	1500	49.0	41.1	13.85	13.02	535	30
CS6W-540MB	1500	49.2	41.3	13.90	13.08	540	30
CS6W-545MB	1500	49.4	41.5	13.95	13.14	545	30
CS6W-550MB	1500	49.6	41.7	14.00	13.20	550	30
CS6W-555MB	1500	49.8	41.9	14.05	13.25	555	30
CS6W-560MB	1500	50.0	42.1	14.10	13.31	560	30
CS6.1-72TM-575	1500	50.8	43.0	14.24	13.38	575	25
CS6.1-72TM-580	1500	51.0	43.2	14.30	13.43	580	25
CS6.1-72TM-585	1500	51.2	43.4	14.36	13.48	585	25
CS6.1-72TM-590	1500	51.4	43.6	14.42	13.54	590	25
CS6.1-72TM-595	1500	51.6	43.8	14.48	13.59	595	25
CS6.1-72TM-600	1500	51.8	44.0	14.54	13.64	600	25
CS6.1-72TM-605	1500	52.0	44.2	14.60	13.69	605	25
CS6.1-72TM-610	1500	52.2	44.4	14.66	13.74	610	25
CS6.1-72TM-615	1500	52.4	44.6	14.72	13.79	615	25
CS6.1-72TM-620	1500	52.6	44.8	14.78	13.84	620	25
CS6.1-72TM-625	1500	52.8	45.0	14.84	13.89	625	25
CS6.1-72TM-630	1500	53.0	45.2	14.90	13.94	630	25
CS6.1-72TM-635	1500	53.2	45.4	14.96	13.99	635	25
CS6.1-60TM-470H	1500	42.0	35.4	14.09	13.28	470	25
CS6.1-60TM-475H	1500	42.2	35.6	14.16	13.35	475	25
CS6.1-60TM-480H	1500	42.4	35.8	14.23	13.42	480	25
CS6.1-60TM-485H	1500	42.6	36.0	14.30	13.49	485	25
CS6.1-60TM-490H	1500	42.8	36.2	14.37	13.55	490	25
CS6.1-60TM-495H	1500	43.0	36.4	14.44	13.61	495	25
CS6.1-60TM-500H	1500	43.2	36.6	14.51	13.67	500	25
CS6.1-60TM-505H	1500	43.4	36.8	14.58	13.73	505	25
CS6.1-60TM-510H	1500	43.6	37.0	14.65	13.79	510	25
CS6.1-60TM-515H	1500	43.8	37.2	14.72	13.85	515	25
CS6.1-60TM-520H	1500	44.0	37.4	14.79	13.91	520	25
CS6.1-60TM-525H	1500	44.2	37.6	14.86	13.97	525	25
CS6.1-60TM-470	1500	42.0	35.4	14.09	13.28	470	25
CS6.1-60TM-475	1500	42.2	35.6	14.16	13.35	475	25
CS6.1-60TM-480	1500	42.4	35.8	14.23	13.42	480	25
CS6.1-60TM-485	1500	42.6	36.0	14.30	13.49	485	25

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CS6.1-60TM-490	1500	42.8	36.2	14.37	13.55	490	25
CS6.1-60TM-495	1500	43.0	36.4	14.44	13.61	495	25
CS6.1-60TM-500	1500	43.2	36.6	14.51	13.67	500	25
CS6.1-60TM-505	1500	43.4	36.8	14.58	13.73	505	25
CS6.1-60TM-510	1500	43.6	37.0	14.65	13.79	510	25
CS6.1-60TM-515	1500	43.8	37.2	14.72	13.85	515	25
CS6.1-60TM-520	1500	44.0	37.4	14.79	13.91	520	25
CS6.1-60TM-525	1500	44.2	37.6	14.86	13.97	525	25
CS6.1-54TM-430H	1500	38.1	32.2	14.25	13.38	430	25
CS6.1-54TM-435H	1500	38.3	32.4	14.33	13.45	435	25
CS6.1-54TM-440H	1500	38.5	32.6	14.41	13.52	440	25
CS6.1-54TM-445H	1500	38.7	32.8	14.48	13.59	445	25
CS6.1-54TM-450H	1500	38.9	33.0	14.55	13.66	450	25
CS6.1-54TM-455H	1500	39.1	33.2	14.61	13.72	455	25
CS6.1-54TM-460H	1500	39.3	33.4	14.69	13.78	460	25
CS6.1-54TM-465H	1500	39.5	33.6	14.77	13.85	465	25
CS6.1-54TM-470H	1500	39.7	33.8	14.86	13.91	470	25
CS6.1-54TM-475H	1500	39.9	34.0	14.94	13.98	475	25
CS6.1-54TM-480H	1500	40.1	34.2	15.03	14.05	480	25
CS6.1-54TM-430	1500	38.1	32.2	14.25	13.38	430	25
CS6.1-54TM-435	1500	38.3	32.4	14.33	13.45	435	25
CS6.1-54TM-440	1500	38.5	32.6	14.41	13.52	440	25
CS6.1-54TM-445	1500	38.7	32.8	14.48	13.59	445	25
CS6.1-54TM-450	1500	38.9	33.0	14.55	13.66	450	25
CS6.1-54TM-455	1500	39.1	33.2	14.61	13.72	455	25
CS6.1-54TM-460	1500	39.3	33.4	14.69	13.78	460	25
CS6.1-54TM-465	1500	39.5	33.6	14.77	13.85	465	25
CS6.1-54TM-470	1500	39.7	33.8	14.86	13.91	470	25
CS6.1-54TM-475	1500	39.9	34.0	14.94	13.98	475	25
CS6.1-54TM-480	1500	40.1	34.2	15.03	14.05	480	25

Note:
1. All electrical data are shown as relative to standard test conditions (STC) (1000 W/m^2, (25 ± 2) °C, AM 1.5 according to IEC 60904-3).
2. The manufacturer declared tolerance of Open-circuit voltage, Short-circuit current is ±5%, the manufacturer declared tolerance of Maximum power is ±3%.
3. The operating ambient temperature of these devices may exceed 40 °C at full load for all wire sizes if it is determined suitable in the field use application.

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4. The electrical power performance of the CS6R-xxxMB, CS6R-xxxMB-HL, CS6W-xxxMB model series is only generated by front side of the PV module, more power may be generated if considering back side of the module.

SOLARONE.RO SISTEME FOTOVOLTAICE

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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61730-1:19	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction, 2019-12
CAN/CSA-C22.2 No. 61730-2:19	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, 2019-12
UL 61730-1 First Edition	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction, 2017-12-04, revision date 2020-04-30
UL 61730-2 First Edition	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing, 2017-12-04, revision date 2020-04-30

Notes:

Products certified under Class C531110 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

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MARKS APPROVAL

CSI Solar Co., Ltd.
199 Lushan Road, SND
215129 Suzhou
Jiangsu
China

ist berechtigt, für ihr Produkt /
is authorized to use for their product

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN IEC 61730-1 (VDE 0126-30-1):2018-10; EN IEC 61730-1:2018+AC:2018
DIN EN IEC 61730-2 (VDE 0126-30-2):2018-10; EN IEC 61730-2:2018+AC:2018

Das Produkt erfüllt auch die Anforderungen nach /
The product also fulfills the requirements of

IEC 61215-1:2016
IEC 61215-1-1:2016
IEC 61215-2:2016
IEC 61730-1:2016
IEC 61730-2:2016

Aktenzeichen: 5027815-3972-0001 / 314763
File ref.:
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further conditions see overleaf and following pages

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / *Certification*

T. Stenger

Offenbach, 2017-06-28
(letzte Änderung / updated 2023-12-11)

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SOLARONE.RO SISTEME FOTOVOLTAICE

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
CSI Solar Co., Ltd., 199 Lushan Road, SND, 215129 SUZHOU, Jiangsu, CHINA

Aktenzeichen / *File ref.*
5027815-3972-0001 / 314763 / CB1 / FB

letzte Änderung / *updated* 2023-12-11

Datum / *Date* 2017-06-28

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40046517.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40046517.

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

A) CS6U-XXXM-AG
B) CS6K-XXXM-AG
C) CS6U-XXXP-AG
D) CS6K-XXXP-AG
E) CS6X-XXXM-FG
F) CS6K-XXXM-FG
G) CS6X-XXXP-FG
H) CS6K-XXXP-FG
I) CS3U-XXXMS-FG
J) CS3U-XXXP-FG
K) CS3K-XXXMS-FG
L) CS3K-XXXP-FG
M) CS3U-XXXMS-AG
N) CS3U-XXXP-AG
O) CS3K-XXXMS-AG
P) CS3K-XXXP-AG
Q) CS3U-XXXMB-FG
R) CS3K-XXXMB-FG
S) CS3U-XXXMB-AG
T) CS3K-XXXMB-AG
U) CS3U-XXXPB-FG
V) CS3K-XXXPB-FG
W) CS3U-XXXPB-AG
X) CS3K-XXXPB-AG
Y) CS6U-XXXMB-FG
Z) CS6K-XXXMB-FG
AA) CS6U-XXXPB-FG
AB) CS6K-XXXPB-FG
AC) CS3U-XXXMB-FG (IEC1500V)
AD) CS3U-XXXMB-AG (IEC1500V)

Fortsetzung siehe Blatt 3 /
continued on page 3

SOLARONE.RO® SISTEME FOTOVOLTAICE

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Datum / *Date* 2017-06-28

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Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

AE) CS3U-XXXPB-FG (IEC1500V)
AF) CS3U-XXXPB-AG (IEC1500V)
AG) CS3U-XXXP-FG (IEC1000V)
AH) CS3U-XXXMS-FG (IEC1000V)
AI) CS6X-XXXP-FG (IEC1000V)
AJ) CS6K-XXXP-FG (IEC1000V)
AK) CS3W-XXXPB-AG
AL) CS3L-XXXPB-AG
AM) CS3W-XXXPB-AG (IEC1000V)
AN) CS3L-XXXPB-AG (IEC1000V)
AO) CS3W-XXXPB-AG (IEC1500V)
AP) CS3L-XXXPB-AG (IEC1500V)
AQ) CS3K-XXXMS-FG (IEC1000V)
AR) CS3W-XXXMB-AG
AS) CS3W-XXXMB-AG (IEC1000V)
AT) CS3W-XXXMB-AG (IEC1500V)
AU) CS6X-XXXP-FG (IEC1000V)
AV) CS6X-XXXP-FG (IEC1500V)
AW) CS3K-XXXMS-FG (IEC1500V)
AX) CS3Y-XXXMB-AG
AY) CS3Y-XXXPB-AG
AZ) CS3Y-XXXMB-AG (IEC1500V)
BA) CS3Y-XXXPB-AG (IEC1500V)
BB) CS3Y-XXXMB-AG (IEC1000V)
BC) CS3Y-XXXPB-AG (IEC1000V)
BD) CS6W-XXXMB-AG
BE) CS6W-XXXMB-AG (IEC1500V)
BF) CS6W-XXXMB-AG (IEC1000V)
BG) CS7N-XXXMB-AG
BH) CS7L-XXXMB-AG

Fortsetzung siehe Blatt 4 /
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SOLARONE.RO® SISTEME FOTOVOLTAICE

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letzte Änderung / *updated* 2023-12-11

Datum / *Date* 2017-06-28

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40046517.
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Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

BI) CS7N-XXXMB-AG (IEC1500V)
BJ) CS7L-XXXMB-AG (IEC1500V)
BK) CS7N-XXXMB-AG (IEC1000V)
BL) CS7L-XXXMB-AG (IEC1000V)
BM) CS6R-XXXH-AG
BN) CS6RA-XXXH-AG
BO) CS6R-XXXH-AG (IEC1500V)
BP) CS6RA-XXXH-AG (IEC1500V)
BQ) CS6R-XXXH-AG (IEC1000V)
BR) CS6RA-XXXH-AG (IEC1000V)
BS) CS6R-XXXMB-AG
BT) CS6R-XXXMB-AG (IEC1500V)
BU) CS6R-XXXMB-AG (IEC1000V)
BV) CS6W-XXXHB-AG
BW) CS6W-XXXHB-AG (IEC1500V)
BX) CS6W-XXXHB-AG (IEC1000V)
BY) CS7N-XXXTB-AG
BZ) CS7L-XXXTB-AG
CA) CS7N-XXXTB-AG (IEC1500V)
CB) CS7L-XXXTB-AG (IEC1500V)
CC) CS7N-XXXTB-AG (IEC1000V)
CD) CS7L-XXXTB-AG (IEC1000V)
CE) CS6W-XXXTB-AG
CF) CS6W-XXXTB-AG (IEC1500V)
CG) CS6W-XXXTB-AG (IEC1000V)
CH) CS6.1-72TB-XXX
CI) CS6.1-72TB-XXXH
CJ) CS6.1-60TB-XXX
CK) CS6.1-72TB-XXX (IEC1500V)
CL) CS6.1-72TB-XXXH (IEC1500V)

Fortsetzung siehe Blatt 5 /
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SOLARONE.RO SISTEME FOTOVOLTAICE

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
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Aktenzeichen / *File ref.*
5027815-3972-0001 / 314763 / CB1 / FB

letzte Änderung / *updated* 2023-12-11

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Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungsausweises Nr. 40046517.
This supplement is only valid in conjunction with page 1 of the Certificate No. 40046517.

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Typ(en) / *Type(s)*

CM) CS6.1-60TB-XXX (IEC1500V)
CN) CS6.1-72TB-XXX (IEC1000V)
CO) CS6.1-72TB-XXXH (IEC1000V)
CP) CS6.1-60TB-XXX (IEC1000V)
CQ) CS6.1-72TD-XXX
CR) CS6.1-72TD-XXX (IEC1500V)
CS) CS6.1-72TD-XXX (IEC1000V)
CT) CS6.1-54TB2-XXX
CU) CS6.1-54TD2-XXX
CV) CS6.1-54TB2-XXX (IEC1500V)
CW) CS6.1-54TD2-XXX (IEC1500V)
CX) CS6.1-54TB2-XXX (IEC1000V)
CY) CS6.1-54TD2-XXX (IEC1000V)
CZ) CS6.1-54TD-XXX
DA) CS6.1-54TB-XXX
DB) CS6.1-54TD-XXX (IEC1500V)
DC) CS6.1-54TB-XXX (IEC1500V)
DD) CS6.1-54TD-XXX (IEC1000V)
DE) CS6.1-54TB-XXX (IEC1000V)

Weitere Angaben
siehe Anlage 100 vom 11.12.2023
siehe Anlagen 600 - 604 vom 11.12.2023

Further information
see Annex 100 dated 2023-12-11
see Annexes 600 - 604 dated 2023-12-11

Dieser Zeichengenehmigungsausweis bildet eine Grundlage für die EU-Konformitätserklärung und CE-Kennzeichnung durch den Hersteller oder dessen Bevollmächtigten.
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SOLARONE.RO® SISTEME FOTOVOLTAICE

VDE Prüf- und Zertifizierungsinstitut
Zeichengenehmigung

Ausweis-Nr. / *Certificate No.* 40046517

Beiblatt / *Supplement*

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
CSI Solar Co., Ltd., 199 Lushan Road, SND, 215129 SUZHOU, Jiangsu, CHINA

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Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40046517.
This supplement is part of the Certificate No. 40046517.

Terrestrische Photovoltaik-Module mit Silizium-Solarzellen
Crystalline silicon terrestrial photovoltaic modules

Fertigungsstätte(n)
Place(s) of manufacture

Referenz/*Reference* **30018288**	Canadian Solar Manufacturing (Changshu) Inc. No. 2 Changsheng Road Xinzhuang Industrial Park 215562 CHANGSHU Jiangsu CHINA
Referenz/*Reference* **30021514**	Canadian Solar Solutions Inc. 545 Speedvale Avenue West GUELPH ON N1K 1E6 CANADA
Referenz/*Reference* **30024972**	CSI Modules (DaFeng) Co., Ltd. No.5, yongsheng road, economic development zone, dafeng district 224100 YANCHENG CITY, DAFENG Jiangsu CHINA
Referenz/*Reference* **30023906**	Canadian Solar Manufacturing (Thailand) Co., LTD. 168/2 Moo4 Tambol Bowin AMPHOE SRIRACHA 20230 Chon Buri THAILAND

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Ausweis-Nr. / *Certificate No.*
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2023-12-11

Datum / *Date*
2017-06-28

Dieses Beiblatt ist Bestandteil des Zeichengenehmigungsausweises Nr. 40046517.
This supplement is part of the Certificate No. 40046517.

Referenz/*Reference*
30026354

Canadian Solar Sunenergy
(Jiaxing) Co., Ltd.
No. 1191 Bazi Road, Gaozhao Street
Xiuzhou District
314031 JIAXING CITY
Zhejiang
CHINA

Referenz/*Reference*
30026416

Canadian Solar Sunenergy
(Suqian) Co., Ltd.
No. 177, Tongda Avenue, Suqian
Economic and Technological Dev. Zone
223800 SUQIAN
Jiangsu
CHINA

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Infoblatt / *Info sheet*

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5027815-3972-0001 / 314763 / CB1 / FB	2023-12-11	2017-06-28

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Products containing the biocide dimethylfumarate (DMF) may not be marketed or made available on the EC market according to the Commission Decision 2009/251/EC.
The approval is solely signed on the first page.

Certificate of Compliance

Certificate: 80016357 **Master Contract:** 249143

Project: 80187673 **Date Issued:** 2023-11-09

Issued to: CSI Solar Co., Ltd.
199 Lushan Road, SND
Suzhou, Jiangsu 215129
China
Attention: Yuan Zhou

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only

C US

Issued by: Simon Shen
Simon Shen

PRODUCTS

CLASS - C531110 - POWER SUPPLIES-Photovoltaic Modules and Panels
CLASS - C531190 - POWER SUPPLIES-Photovoltaic Modules and Panels - Certified to US Standards

Photovoltaic modules with maximum DC system voltage of 1500 V, Safety Class II, Module Fire Performance Type 29.

Model Series:
CS3U-xxxPB-AG (xxx = 350 to 395 W),
CS3W-xxxMB-AG (xxx = 415 to 465 W),
CS3U-xxxMB-AG (xxx = 350 to 410 W),
CS3K-xxxMB-AG (xxx = 280 to 330 W),
CS3W-xxxPB-AG (xxx = 390 to 460 W),
CS3K-xxxPB-AG (xxx = 265 to 350 W),
CS3Y-xxxMB-AG (xxx = 465 to 510 W),
CS3Y-xxxPB-AG (xxx = 430 to 480 W),
CS6W-xxxMB-AG (xxx = 520 to 555 W),
CS6R-xxxMB-AG (xxx = 390 to 415 W),
CS7N-xxxMB-AG (xxx = 630 to 670 W),

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Certificate: 80016357
Project: 80187673

Master Contract: 249143
Date Issued: 2023-11-09

CS7L-xxxMB-AG (xxx = 570 to 610 W),
CS7N-xxxTB-AG (xxx = 650 to 720 W),
CS7L-xxxTB-AG (xxx = 590 to 650 W),
CS6W-xxxTB-AG (xxx = 540 to 600 W),
CS6.1-72TB-xxx (xxx = 570 to 630 W),
CS6.1-72TB-xxxH (xxx = 570 to 630 W),
CS6.1-60TB-xxx (xxx = 470 to 525 W),
CS6.1-54TB2-xxx (xxx = 430 to 475 W),
CS6.1-72TD-xxx (xxx = 575 to 635 W),
CS6.1-54TD2-xxx (xxx = 430 to 480 W).

Model Type	Maximum DC System Voltage (V)	Open Circuit Voltage (V)	Maximum power voltage (V)	Short Circuit Current (A)	Maximum power current (A)	Maximum Power (Watts)	Maxium overcurre nt protection rating (A)
CS3U-350PB-AG	1500	46.6	39.2	9.51	8.94	350	25
CS3U-355PB-AG	1500	46.8	39.4	9.59	9.02	355	25
CS3U-360PB-AG	1500	47.0	39.6	9.67	9.10	360	25
CS3U-365PB-AG	1500	47.2	39.8	9.75	9.18	365	25
CS3U-370PB-AG	1500	47.4	40.0	9.83	9.26	370	25
CS3U-375PB-AG	1500	47.6	40.2	9.91	9.34	375	25
CS3U-380PB-AG	1500	47.8	40.4	9.99	9.42	380	25
CS3U-385PB-AG	1500	48.0	40.6	10.07	9.50	385	25
CS3U-390PB-AG	1500	48.6	40.8	10.17	9.56	390	25
CS3U-395PB-AG	1500	48.8	41.0	10.24	9.64	395	25
CS3W-415MB-AG	1500	47.7	39.7	11.22	10.46	415	25
CS3W-420MB-AG	1500	47.9	39.9	11.27	10.53	420	25
CS3W-425MB-AG	1500	48.1	40.1	11.32	10.6	425	25
CS3W-430MB-AG	1500	48.3	40.3	11.37	10.68	430	25
CS3W-435MB-AG	1500	48.5	40.5	11.42	10.75	435	25
CS3W-440MB-AG	1500	48.7	40.7	11.48	10.82	440	25
CS3W-445MB-AG	1500	48.9	40.9	11.54	10.89	445	25
CS3W-450MB-AG	1500	49.1	41.1	11.6	10.96	450	25
CS3W-455MB-AG	1500	49.3	41.3	11.66	11.02	455	25
CS3W-460MB-AG	1500	49.5	41.5	11.72	11.09	460	25
CS3W-465MB-AG	1500	49.7	41.7	11.78	11.16	465	25
CS3U-350MB-AG	1500	46.6	38.8	9.53	9.03	350	25
CS3U-355MB-AG	1500	46.8	39.0	9.61	9.11	355	25
CS3U-360MB-AG	1500	47.0	39.2	9.69	9.19	360	25
CS3U-365MB-AG	1500	47.2	39.4	9.77	9.27	365	25
CS3U-370MB-AG	1500	47.4	39.6	9.85	9.35	370	25
CS3U-375MB-AG	1500	47.6	39.8	9.93	9.43	375	25
CS3U-380MB-AG	1500	47.8	40.0	10.01	9.50	380	25

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Certificate: 80016357
Project: 80187673

Master Contract: 249143
Date Issued: 2023-11-09

Model Type	Maximum DC System Voltage (V)	Open Circuit Voltage (V)	Maximum power voltage (V)	Short Circuit Current (A)	Maximum power current (A)	Maximum Power (Watts)	Maxium overcurre nt protection rating (A)
CS3U-385MB-AG	1500	48.0	40.2	10.09	9.58	385	25
CS3U-390MB-AG	1500	48.2	40.4	10.17	9.66	390	25
CS3U-395MB-AG	1500	48.4	40.6	10.25	9.73	395	25
CS3U-400MB-AG	1500	48.6	40.8	10.33	9.81	400	25
CS3U-405MB-AG	1500	49.3	41.0	10.44	9.88	405	25
CS3U-410MB-AG	1500	49.5	41.2	10.52	9.96	410	25
CS3K-280MB-AG	1500	38.5	31.7	8.84	9.49	280	25
CS3K-285MB-AG	1500	38.7	31.9	8.94	9.57	285	25
CS3K-290MB-AG	1500	38.9	32.1	9.04	9.65	290	25
CS3K-295MB-AG	1500	39.1	32.3	9.14	9.73	295	25
CS3K-300MB-AG	1500	39.3	32.5	9.24	9.82	300	25
CS3K-305MB-AG	1500	39.5	32.7	9.33	9.90	305	25
CS3K-310MB-AG	1500	39.7	32.9	9.43	9.98	310	25
CS3K-315MB-AG	1500	39.9	33.1	9.52	10.06	315	25
CS3K-320MB-AG	1500	40.1	33.3	9.61	10.14	320	25
CS3K-325MB-AG	1500	40.3	33.5	9.71	10.22	325	25
CS3K-330MB-AG	1500	40.5	33.7	9.80	10.33	330	25
CS3W-390PB-AG	1500	46.8	38.3	10.74	10.19	390	25
CS3W-395PB-AG	1500	47.0	38.5	10.82	10.26	395	25
CS3W-400PB-AG	1500	47.2	38.7	10.9	10.34	400	25
CS3W-405PB-AG	1500	47.4	38.9	10.98	10.42	405	25
CS3W-410PB-AG	1500	47.6	39.1	11.06	10.49	410	25
CS3W-415PB-AG	1500	47.8	39.3	11.14	10.56	415	25
CS3W-420PB-AG	1500	48.0	39.5	11.26	10.64	420	25
CS3W-425PB-AG	1500	48.2	39.7	11.29	10.71	425	25
CS3W-430PB-AG	1500	48.4	39.9	11.32	10.78	430	25
CS3W-435PB-AG	1500	48.6	40.1	11.35	10.85	435	25
CS3W-440PB-AG	1500	48.7	40.3	11.4	10.92	440	25
CS3W-445PB-AG	1500	48.8	40.5	11.45	10.99	445	25
CS3W-450PB-AG	1500	49.0	40.7	11.53	11.06	450	25
CS3W-455PB-AG	1500	49.2	40.9	11.61	11.13	455	25
CS3W-460PB-AG	1500	49.4	41.1	11.69	11.2	460	25
CS3K-265PB-AG	1500	37.3	30.6	9.22	8.66	265	25
CS3K-270PB-AG	1500	37.5	30.8	9.30	8.77	270	25
CS3K-275PB-AG	1500	37.7	31.0	9.38	8.88	275	25
CS3K-280PB-AG	1500	37.9	31.2	9.47	8.98	280	25
CS3K-285PB-AG	1500	38.1	31.4	9.56	9.08	285	25
CS3K-290PB-AG	1500	38.9	32.3	9.49	8.98	290	25

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Certificate: 80016357
Project: 80187673

Master Contract: 249143
Date Issued: 2023-11-09

Model Type	Maximum DC System Voltage (V)	Open Circuit Voltage (V)	Maximum power voltage (V)	Short Circuit Current (A)	Maximum power current (A)	Maximum Power (Watts)	Maxium overcurre nt protection rating (A)
CS3K-295PB-AG	1500	39.1	32.5	9.57	9.08	295	25
CS3K-300PB-AG	1500	39.3	32.7	9.65	9.18	300	25
CS3K-305PB-AG	1500	39.5	32.9	9.73	9.28	305	25
CS3K-310PB-AG	1500	39.7	33.1	9.81	9.37	310	25
CS3K-315PB-AG	1500	39.9	33.3	9.89	9.46	315	25
CS3K-320PB-AG	1500	40.1	33.5	9.97	9.56	320	25
CS3K-325PB-AG	1500	40.9	33.7	10.21	9.65	325	25
CS3K-330PB-AG	1500	41.1	33.9	10.29	9.74	330	25
CS3K-335PB-AG	1500	41.3	34.1	10.37	9.83	335	25
CS3K-340PB-AG	1500	41.5	34.3	10.45	9.92	340	25
CS3K-345PB-AG	1500	41.7	34.5	10.52	10.00	345	25
CS3K-350PB-AG	1500	41.9	34.7	10.60	10.09	350	25
CS3Y-465MB-AG	1500	52.3	43.6	11.42	10.67	465	25
CS3Y-470MB-AG	1500	52.5	43.8	11.47	10.74	470	25
CS3Y-475MB-AG	1500	52.7	44.0	11.52	10.81	475	25
CS3Y-480MB-AG	1500	52.9	44.2	11.57	10.87	480	25
CS3Y-485MB-AG	1500	53.1	44.4	11.62	10.94	485	25
CS3Y-490MB-AG	1500	53.3	44.6	11.67	11.00	490	25
CS3Y-495MB-AG	1500	53.5	44.8	11.72	11.06	495	25
CS3Y-500MB-AG	1500	53.7	45.0	11.77	11.12	500	25
CS3Y-505MB-AG	1500	53.9	45.2	11.82	11.18	505	25
CS3Y-510MB-AG	1500	54.1	45.4	11.87	11.24	510	25
CS3Y-430PB-AG	1500	50.8	41.6	11.08	10.34	430	25
CS3Y-435PB-AG	1500	51.0	41.8	11.13	10.41	435	25
CS3Y-440PB-AG	1500	51.2	42.0	11.18	10.48	440	25
CS3Y-445PB-AG	1500	51.4	42.2	11.23	10.55	445	25
CS3Y-450PB-AG	1500	51.6	42.4	11.28	10.62	450	25
CS3Y-455PB-AG	1500	51.8	42.6	11.33	10.69	455	25
CS3Y-460PB-AG	1500	52.0	42.8	11.38	10.75	460	25
CS3Y-465PB-AG	1500	52.2	43.0	11.43	10.82	465	25
CS3Y-470PB-AG	1500	52.4	43.2	11.48	10.88	470	25
CS3Y-475PB-AG	1500	52.6	43.4	11.53	10.95	475	25
CS3Y-480PB-AG	1500	52.8	43.6	11.58	11.01	480	25
CS6W-520MB-AG	1500	48.4	40.5	13.70	12.84	520	30
CS6W-525MB-AG	1500	48.6	40.7	13.75	12.90	525	30
CS6W-530MB-AG	1500	48.8	40.9	13.8	12.96	530	30
CS6W-535MB-AG	1500	49.0	41.1	13.85	13.02	535	30
CS6W-540MB-AG	1500	49.2	41.3	13.90	13.08	540	30

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CS6W-545MB-AG	1500	49.4	41.5	13.95	13.14	545	30
CS6W-550MB-AG	1500	49.6	41.7	14.00	13.20	550	30
CS6W-555MB-AG	1500	49.8	41.9	14.05	13.26	555	30
CS6R-390MB-AG	1500	36.4	30.4	13.70	12.84	390	30
CS6R-395MB-AG	1500	36.6	30.6	13.77	12.91	395	30
CS6R-400MB-AG	1500	36.8	30.8	13.85	12.99	400	30
CS6R-405MB-AG	1500	37.0	31.0	13.93	13.07	405	30
CS6R-410MB-AG	1500	37.2	31.2	14.01	13.15	410	30
CS6R-415MB-AG	1500	37.4	31.4	14.09	13.23	415	30
CS7N-630MB-AG	1500	44.2	37.1	18.23	16.99	630	35
CS7N-635MB-AG	1500	44.4	37.3	18.27	17.03	635	35
CS7N-640MB-AG	1500	44.6	37.5	18.31	17.07	640	35
CS7N-645MB-AG	1500	44.8	37.7	18.35	17.11	645	35
CS7N-650MB-AG	1500	45.0	37.9	18.39	17.16	650	35
CS7N-655MB-AG	1500	45.2	38.1	18.43	17.2	655	35
CS7N-660MB-AG	1500	45.4	38.3	18.47	17.24	660	35
CS7N-665MB-AG	1500	45.6	38.5	18.51	17.28	665	35
CS7N-670MB-AG	1500	45.8	38.7	18.55	17.32	670	35
CS7L-570MB-AG	1500	40.1	33.7	18.17	16.93	570	35
CS7L-575MB-AG	1500	40.3	33.9	18.22	16.97	575	35
CS7L-580MB-AG	1500	40.5	34.1	18.27	17.02	580	35
CS7L-585MB-AG	1500	40.7	34.3	18.32	17.06	585	35
CS7L-590MB-AG	1500	40.9	34.5	18.37	17.11	590	35
CS7L-595MB-AG	1500	41.1	34.7	18.42	17.15	595	35
CS7L-600MB-AG	1500	41.3	34.9	18.47	17.2	600	35
CS7L-605MB-AG	1500	41.5	35.1	18.52	17.25	605	35
CS7L-610MB-AG	1500	41.7	35.3	18.57	17.29	610	35
CS7N-650TB-AG	1500	45.9	38.0	17.99	17.11	650	35
CS7N-655TB-AG	1500	46.1	38.2	18.04	17.15	655	35
CS7N-660TB-AG	1500	46.3	38.4	18.09	17.19	660	35
CS7N-665TB-AG	1500	46.5	38.6	18.14	17.23	665	35
CS7N-670TB-AG	1500	46.7	38.8	18.19	17.27	670	35
CS7N-675TB-AG	1500	46.9	39.0	18.24	17.31	675	35
CS7N-680TB-AG	1500	47.1	39.2	18.29	17.35	680	35
CS7N-685TB-AG	1500	47.3	39.4	18.34	17.39	685	35
CS7N-690TB-AG	1500	47.5	39.6	18.39	17.43	690	35
CS7N-695TB-AG	1500	47.7	39.8	18.44	17.47	695	35
CS7N-700TB-AG	1500	47.9	40.0	18.49	17.51	700	35

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CS7N-705TB-AG	1500	48.1	40.2	18.54	17.55	705	35
CS7N-710TB-AG	1500	48.3	40.4	18.59	17.59	710	35
CS7N-715TB-AG	1500	48.5	40.6	18.64	17.63	715	35
CS7N-720TB-AG	1500	48.7	40.8	18.69	17.67	720	35
CS7L-590TB-AG	1500	41.7	34.5	18.01	17.12	590	35
CS7L-595TB-AG	1500	41.9	34.7	18.06	17.16	595	35
CS7L-600TB-AG	1500	42.1	34.9	18.11	17.20	600	35
CS7L-605TB-AG	1500	42.3	35.1	18.16	17.24	605	35
CS7L-610TB-AG	1500	42.5	35.3	18.21	17.29	610	35
CS7L-615TB-AG	1500	42.7	35.5	18.26	17.33	615	35
CS7L-620TB-AG	1500	42.9	35.7	18.31	17.37	620	35
CS7L-625TB-AG	1500	43.1	35.9	18.36	17.41	625	35
CS7L-630TB-AG	1500	43.3	36.1	18.41	17.46	630	35
CS7L-635TB-AG	1500	43.5	36.3	18.46	17.5	635	35
CS7L-640TB-AG	1500	43.7	36.5	18.51	17.54	640	35
CS7L-645TB-AG	1500	43.9	36.7	18.56	17.58	645	35
CS7L-650TB-AG	1500	44.1	36.9	18.61	17.62	650	35
CS6W-540TB-AG	1500	50.6	41.5	13.47	13.02	540	30
CS6W-545TB-AG	1500	50.8	41.7	13.54	13.07	545	30
CS6W-550TB-AG	1500	51.0	41.9	13.59	13.13	550	30
CS6W-555TB-AG	1500	51.2	42.1	13.64	13.19	555	30
CS6W-560TB-AG	1500	51.4	42.3	13.69	13.24	560	30
CS6W-565TB-AG	1500	51.6	42.5	13.75	13.30	565	30
CS6W-570TB-AG	1500	51.8	42.7	13.81	13.35	570	30
CS6W-575TB-AG	1500	52.0	42.9	13.88	13.41	575	30
CS6W-580TB-AG	1500	52.2	43.1	13.93	13.46	580	30
CS6W-585TB-AG	1500	52.4	43.3	14.00	13.52	585	30
CS6W-590TB-AG	1500	52.6	43.5	14.06	13.57	590	30
CS6W-595TB-AG	1500	52.8	43.7	14.12	13.62	595	30
CS6W-600TB-AG	1500	53.0	43.9	14.18	13.68	600	30
CS6.1-72TB-570	1500	50.6	42.8	14.18	13.32	570	30
CS6.1-72TB-575	1500	50.8	43.0	14.24	13.38	575	30
CS6.1-72TB-580	1500	51.0	43.2	14.30	13.43	580	30
CS6.1-72TB-585	1500	51.2	43.4	14.36	13.48	585	30
CS6.1-72TB-590	1500	51.4	43.6	14.42	13.54	590	30
CS6.1-72TB-595	1500	51.6	43.8	14.48	13.59	595	30
CS6.1-72TB-600	1500	51.8	44.0	14.54	13.64	600	30
CS6.1-72TB-605	1500	52.0	44.2	14.60	13.69	605	30

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CS6.1-72TB-610	1500	52.2	44.4	14.66	13.74	610	30
CS6.1-72TB-615	1500	52.4	44.6	14.72	13.79	615	30
CS6.1-72TB-620	1500	52.6	44.8	14.78	13.84	620	30
CS6.1-72TB-625	1500	52.8	45.0	14.84	13.89	625	30
CS6.1-72TB-630	1500	53.0	45.2	14.90	13.94	630	30
CS6.1-72TB-570H	1500	50.6	42.8	14.18	13.32	570	30
CS6.1-72TB-575H	1500	50.8	43.0	14.24	13.38	575	30
CS6.1-72TB-580H	1500	51.0	43.2	14.30	13.43	580	30
CS6.1-72TB-585H	1500	51.2	43.4	14.36	13.48	585	30
CS6.1-72TB-590H	1500	51.4	43.6	14.42	13.54	590	30
CS6.1-72TB-595H	1500	51.6	43.8	14.48	13.59	595	30
CS6.1-72TB-600H	1500	51.8	44.0	14.54	13.64	600	30
CS6.1-72TB-605H	1500	52.0	44.2	14.60	13.69	605	30
CS6.1-72TB-610H	1500	52.2	44.4	14.66	13.74	610	30
CS6.1-72TB-615H	1500	52.4	44.6	14.72	13.79	615	30
CS6.1-72TB-620H	1500	52.6	44.8	14.78	13.84	620	30
CS6.1-72TB-625H	1500	52.8	45.0	14.84	13.89	625	30
CS6.1-72TB-630H	1500	53.0	45.2	14.90	13.94	630	30
CS6.1-60TB-470	1500	42.0	35.4	14.09	13.28	470	30
CS6.1-60TB-475	1500	42.2	35.6	14.16	13.35	475	30
CS6.1-60TB-480	1500	42.4	35.8	14.23	13.42	480	30
CS6.1-60TB-485	1500	42.6	36.0	14.30	13.49	485	30
CS6.1-60TB-490	1500	42.8	36.2	14.37	13.55	490	30
CS6.1-60TB-495	1500	43.0	36.4	14.44	13.61	495	30
CS6.1-60TB-500	1500	43.2	36.6	14.51	13.67	500	30
CS6.1-60TB-505	1500	43.4	36.8	14.58	13.73	505	30
CS6.1-60TB-510	1500	43.6	37.0	14.65	13.79	510	30
CS6.1-60TB-515	1500	43.8	37.2	14.72	13.85	515	30
CS6.1-60TB-520	1500	44.0	37.4	14.79	13.91	520	30
CS6.1-60TB-525	1500	44.2	37.6	14.86	13.97	525	30
CS6.1-54TB2-430	1500	38.1	32.2	14.25	13.38	430	25
CS6.1-54TB2-435	1500	38.3	32.4	14.33	13.45	435	25
CS6.1-54TB2-440	1500	38.5	32.6	14.41	13.52	440	25
CS6.1-54TB2-445	1500	38.7	32.80	14.48	13.59	445	25
CS6.1-54TB2-450	1500	38.9	33.00	14.55	13.66	450	25
CS6.1-54TB2-455	1500	39.1	33.20	14.61	13.72	455	25
CS6.1-54TB2-460	1500	39.3	33.40	14.69	13.78	460	25
CS6.1-54TB2-465	1500	39.5	33.60	14.77	13.85	465	25

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CS6.1-54TB2-470	1500	39.7	33.80	14.86	13.91	470	25
CS6.1-54TB2-475	1500	39.9	34.00	14.94	13.98	475	25
CS6.1-72TD-575	1500	50.8	43.0	14.24	13.38	575	25
CS6.1-72TD-580	1500	51.0	43.2	14.30	13.43	580	25
CS6.1-72TD-585	1500	51.2	43.4	14.36	13.48	585	25
CS6.1-72TD-590	1500	51.4	43.6	14.42	13.54	590	25
CS6.1-72TD-595	1500	51.6	43.8	14.48	13.59	595	25
CS6.1-72TD-600	1500	51.8	44.0	14.54	13.64	600	25
CS6.1-72TD-605	1500	52.0	44.2	14.60	13.69	605	25
CS6.1-72TD-610	1500	52.2	44.4	14.66	13.74	610	25
CS6.1-72TD-615	1500	52.4	44.6	14.72	13.79	615	25
CS6.1-72TD-620	1500	52.6	44.8	14.78	13.84	620	25
CS6.1-72TD-625	1500	52.8	45.0	14.84	13.89	625	25
CS6.1-72TD-630	1500	53.0	45.2	14.90	13.94	630	25
CS6.1-72TD-635	1500	53.2	45.4	14.96	13.99	635	25
CS6.1-54TD2-430	1500	38.1	32.2	14.25	13.38	430	25
CS6.1-54TD2-435	1500	38.3	32.4	14.33	13.45	435	25
CS6.1-54TD2-440	1500	38.5	32.6	14.41	13.52	440	25
CS6.1-54TD2-445	1500	38.7	32.80	14.48	13.59	445	25
CS6.1-54TD2-450	1500	38.9	33.00	14.55	13.66	450	25
CS6.1-54TD2-455	1500	39.1	33.20	14.61	13.72	455	25
CS6.1-54TD2-460	1500	39.3	33.40	14.69	13.78	460	25
CS6.1-54TD2-465	1500	39.5	33.60	14.77	13.85	465	25
CS6.1-54TD2-470	1500	39.7	33.80	14.86	13.91	470	25
CS6.1-54TD2-475	1500	39.9	34.00	14.94	13.98	475	25
CS6.1-54TD2-480	1500	40.1	34.20	15.03	14.05	480	25

Note:
1. All electrical data are shown as relative to standard test conditions (STC) (1000 W/m^2, (25 ± 2) °C, AM 1.5 according to IEC 60904-3).
2. The manufacturer declared tolerance of Open-circuit voltage, Short-circuit current is ±5%, the manufacturer declared tolerance of Maximum power is ±3%.
3. The electrical power performance shown in the table above is only generated by front side of the PV module, more power may be generated if considering back side of the module.
4. The operating ambient temperature of these devices may exceed 40 °C at full load for all wire sizes if it is determined suitable in the field use application.

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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61730-1:19	Photovoltaic (PV) module safety qualification - Part 1: Requirements for construction, 2019-12
CAN/CSA-C22.2 No. 61730-2:19	Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing, 2019-12
UL 61730-1 First Edition	Photovoltaic (PV) Module Safety Qualification - Part 1: Requirements for Construction, 2017-12-04, revision date 2020-04-30
UL 61730-2 First Edition	Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing, 2017-12-04, revision date 2020-04-30

Notes:

Products certified under Class C531110 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

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