

## Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

Page 1 of 10  
Seite 1 von 10

**Applicant / Auftraggeber:** Daxler Enerji A.S  
Büyükkayacik OSB. 102. Cad. No:3/1 Selcuklu 42160 Konya  
TURKEY

**Manufacturer / Hersteller:** Daxler Enerji A.S  
Büyükkayacik OSB. 102. Cad. No:3/1 Selcuklu 42160 Konya  
TURKEY

**Authorized person / Bevollmächtigter** Mr. Yunus Emre Tarhan

**Factory / Fertigungsstätte:** Daxler Enerji A.S  
Büyükkayacik OSB. 102. Cad. No:3/1 Selcuklu 42160 Konya  
TURKEY

**Type of equipment / Geräteart:** Mono-crystalline Silicon Photovoltaic (PV) Module  
**Type/model / Typenbezeichnung:** 182x91mm(10BB) cells module  
a) 144 cells module: WM10-144-HCG-530, WM10-144-HCG-535  
WM10-144-HCG-540, WM10-144-HCG-545, WM10-144-HCG-550  
WM10-144-HCG-555  
b) 132 cells module: WM10-132-HCG-485, WM10-132-HCG-490,  
WM10-132-HCG-495, WM10-132-HCG-500  
c) 120 cells module: WM10-120-HCG-440, WM10-120-HCG-445  
WM10-120-HCG-450, WM10-120-HCG-455,  
d) 108 cells module: WM10-108-HCG-395, WM10-108-HCG-400  
WM10-108-HCG-405, WM10-108-HCG-410

166x83(9BB) mm cells module  
e) 144 cells module: WM6-144-HCG-430, WM6-144-HCG-435,  
WM6-144-HCG-440, WM6-144-HCG-445, WM6-144-HCG-450  
f) 132 cells module: WM6-132-HCG-395, WM6-132-HCG-400,  
WM6-132-HCG-405, WM6-132-HCG-410  
g) 120 cells module: WM6-120-HCG-360, WM6-120-HCG-365,  
WM6-120-HCG-370, WM6-120-HCG-375

210x105mm(12BB) cells module  
h) 132 cells module: WM12-132-HCG-645, WM12-132-HCG-650,  
WM12-132-HCG-655,, WM12-132-HCG-660, WM12-132-HCG-665  
i) 120 cells module: WM12-120-HCG-585,, WM12-120-HCG-590

Test Report No. / Prüfbericht Nr.: 704062134702-00A1

Name of Project manager / Hongwei Li  
Name Projektleiter:



Place / Ort: Konya

Name, seal and signature of Certificate Holder /  
Name, Stempel und Unterschrift des Zertifikatinhabers:

Date / Datum: 2021-12-25  
Revised date: 2022-07-28



**Data form for electrical and electronic equipment/components**

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

WM12-120-HCG-595, WM12-120-HCG-600, WM12-120-HCG-605,

**Maximum System Voltage:** 1500 V DC

**Dimensions / Abmessungen [HxWxD / HxBxT]:**

- a) 2279x1134x35 [mm]
- b) 2093x1134x35 [mm]
- c) 1912x1134x35 [mm]
- d) 1724x1134x35 [mm]
- e) 2094x1038x35 [mm]
- f) 1915x1038x35 [mm]
- g) 1755x1038x35 [mm]
- h) 2401x1303x35 [mm]
- i) 2189x1303x35 [mm]

**Weight / Gewicht:**

- a) 30.5kg (approx)
- b) 29.4kg (approx)
- c) 28.2kg (approx)
- d) 25.5kg (approx)
- e) 27.5kg (approx)
- f) 26.0kg (approx)
- g) 23.5kg (approx)
- h) 38.0 kg (approx)
- i) 35.4 kg (approx)

**Ambient temperature / Umgebungstemperatur** min.: **-40 °C** max.: **+40 °C**

**Operation / Einsatz:** < 2,000 m above sea level / < 2.000 m üNN   
up to 2000 m / bis zu **2000** m

<b>Protection class / Schutzklasse:</b>	I:	PE-connection	Schutzleiteranschluss	<input type="checkbox"/>
	II:	Double insulation	Schutzisoliert	<input checked="" type="checkbox"/>
	III:	SELV / internally powered	Schutzkleinspannung / interne Stromversorgung	<input type="checkbox"/>

**Degree of pollution / Verschmutzungsgrad:** 1  2  3  4

**Overvoltage category / Überspannungskategorie:** I  II  III  IV

**Test Report No. / Prüfbericht Nr.:** 704062134702-00A1

**Place / Ort:** Konya

**Date / Datum:** 2021-12-25  
Revised date: 2022-07-28

**Name of Project manager /** Hongwei Li  
Name Projektleiter:

*Li Hongwei*

**Name, seal and signature of Certificate Holder /**  
Name, Stempel und Unterschrift des Zertifikatinhabers:



**Data form for electrical and electronic equipment/components**

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

**Additional information**

<b>Cell technology:</b>	Monocrystalline Silicon	<input checked="" type="checkbox"/>
	Polycrystalline Silicon	<input type="checkbox"/>
	Thin-film (amorphous Silicon)	<input type="checkbox"/>
	CIGS	<input type="checkbox"/>
	CdTe	<input type="checkbox"/>
	Other	<input type="checkbox"/>
<b>Types of terminations:</b>	Type A: wire of flying lead	<input checked="" type="checkbox"/>
	Type B: tags, threaded stubs, screws, etc.	<input type="checkbox"/>
	Type C: connector	<input type="checkbox"/>
	Junction box	<input checked="" type="checkbox"/>
<b>Protection devices:</b>	By-pass Diode	<input checked="" type="checkbox"/>
	Fuse	<input type="checkbox"/>
	Other	<input type="checkbox"/>
<b>Fire safety class according to <u>UL790</u>:</b>	Class A	<input type="checkbox"/>
	Class B	<input type="checkbox"/>
	Class C	<input checked="" type="checkbox"/>
<b>Frame:</b>	Framed	<input checked="" type="checkbox"/>
	Frameless	<input type="checkbox"/>
<b>Front/Rear cover bonding classification:</b>	Rigid/Flexible	<input type="checkbox"/>
	Rigid/Rigid	<input checked="" type="checkbox"/>
	Flexible/Flexible	<input type="checkbox"/>
<b>Designed mechanical load and safety factor:</b>	Positive: 3600Pa, 1.5	
	Negative: 1600Pa, 1.5	

Limited materials combinations: N/A

Form ID: 37983 - Rev. 1 - Form Effective: 03 Apr 2020

**Test Report No. / Prüfbericht Nr.:** 704062134702-00A1

**Name of Project manager /** Hongwei Li  
Name Projektleiter:



**Place / Ort:** Konya

**Name, seal and signature of Certificate Holder /**  
Name, Stempel und Unterschrift des Zertifikatinhabers:

**Date / Datum:** 2021-12-25  
Revised date: 2022-07-28

## Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

Page 4 of 10  
Seite 4 von 10

### Safety relevant (critical) components / Sicherheitsrelevante (kritische) Komponenten

Kind of component / Bauteil	Manufacturer / Hersteller	Mechanical, electrical and chemical specification / Mechanische, elektrische und chemische Spezifikation	Test report and/or mark from / Prüfbericht und /oder -zeichen von
1-1 cell	Zhejiang Aiko Solar Energy Technology Co., Ltd	Mono-Si, Cell type: M166-223-9BB-122F-BBD18, P type bifacial Cell Cell dimensions L x W: 166x83±0.25 (mm) Cell thickness: 185 ± 18.5 (µm) Cell area: 137.78 (cm <sup>2</sup> )	Tested with appliance
1-2 cell	Zhejiang Aiko Solar Energy Technology Co., Ltd	Mono-Si, Cell type: MC182-10BB-136F, 10BB, P type bifacial Cell Cell dimensions L x W: 182x91±0.25 (mm) Cell thickness: 185 ± 18.5 (µm) Cell area:165.62 (cm <sup>2</sup> )	Tested with appliance
1-3 cell	Zhejiang Aiko Solar Energy Technology Co., Ltd	Mono-Si, Cell type: MC210-12BB-174F, 12BB, P type bifacial Cell Cell dimensions L x W: 210x105±0.25 (mm) Cell thickness: 190 ± 19.0 (µm) Cell area:220.50 (cm <sup>2</sup> )	Tested with appliance
2 Superstrate	Şişecam	Material: Sandy/Prizma AR Coated, Thickness: 2.0 (mm)	Tested with appliance
3 Substrate (backsheet)	Şişecam	Material: Sandy/Prizma AR Coated, Thickness: 2.0 (mm)	Tested with appliance
4 Encapsulant	HANWHA ADVANCED MATERIALS CORPORATION	Type: HPO-03T(frontside), Material: PO film. Thickness: 0.4-0.6mm. Type: HPO-03(backside), Material: PO film. Thickness: 0.4-0.6mm.	Tested with appliance
5-1 Junction box	Ekinler Endüstri San.ve Tic. A.S	Type:JBS, DC1500V, 15A or 25A, IP68(1m,1h), -40 to 85°C,	TÜV SÜD
6 Potting Material inside	Shanghai Huitian New Material Co., Ltd.	Type: 5299W-S, Material:Silicon	Tested with appliance
7 Adhesive for junction box	Shanghai Huitian New Material Co., Ltd.	Type: HT906-Z, Material:Silicon	Tested with appliance
8 Cable for photovoltaic equipment	Ege Kablo Endüstri Malz. San. Ve Tic. A.S.	Type H1Z2Z2-K , 1*4mm <sup>2</sup> , DC 1500V, -40 °C to 90 °C	TÜV SÜD
9-1Connector for Photovoltaic system	Elinler Endüstri San. Ve Tic.	Type: PC1,1500V DC,35A,IP68(1m, 1h),-40 to 85°C	TÜV SÜD
9-2Connector for Photovoltaic system	Stäubli Electrical Connectors AG	Type:PV-KST4-EVO2/6II-UR, PV-KBT4-EVO2/6II-UR 1500V DC,45A or 53A,IP68(1m, 1h),-40 to 85°C	TÜV SÜD
9-3Connector for Photovoltaic system	QC Solar(Suzhou) Corporation	Type: QC4.10-cd(QC4.10-35, QC4.10-45), 1500V DC,41A,IP68(1m, 1h),-40 to 85°C  Type:QC4.10-cd(QC4.10-36, QC4.10-46) 1500V DC,46A,IP68(1m, 1h),-40 to 85°C	TÜV SÜD
10 Bypass diode	Yangzhou Yangjie Electronic Technology Co., Ltd.	Schottky, Type: 20SQ045 Max. peak reverse voltage 45V, Forward Rectified current 20A. Max junction temperature 200°C  Schottky, Type: 30SQ045 Max. peak reverse voltage 45V, Forward Rectified current 30A. Max junction temperature 200°C	Tested with appliance

Test Report No. / Prüfbericht Nr.: 704062134702-00A1

Place / Ort: Konya

Date / Datum: 2021-12-25

Revised date: 2022-07-28

Name of Project manager / Hongwei Li  
Name Projektleiter:



Name, seal and signature of Certificate Holder /  
Name, Stempel und Unterschrift des Zertifikatinhabers:

## Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

Page 5 of 10  
Seite 5 von 10

5-2 Junction box	SUZHOU UKT NEW ENERGY TECHNOLOGY CO.,LTD	Type: PV-JB12x(X=A or B or C or D or E or F or H or A-1 or T or A-25 or B-25 or L or M or N1 or N2 or S1 or S2), 1500V for PV-JB12x(x=A or C or E or H or A-1 or T or A-25 or L or N1 or S1) 30A for PV-JB12x(x=S1 or S2) 25A for PV-JB12x(x=A-25 or B-25) 20A for PV-JB12x(x=N1 or N2) -40 to 85°C, IP68(1m,1h)	TÜV SÜD
6 Potting Material inside	Shanghai Huitian New Material Co., Ltd.	Type: 5299W-S, Material:Silicon	Tested with appliance
7 Adhesive for junction box	Shanghai Huitian New Material Co., Ltd.	Type: HT906-Z, Material:Silicon	Tested with appliance
8 Cable for photovoltaic equipment	Ningbo Kibor Wire & Cable Co., Ltd.	Type :62930 IEC 131 1*4mm <sup>2</sup> DC 1500V, -40 °C to 90 °C Max. Temperature at Conductor: 120 °C	TÜV SÜD
9 Connector for Photovoltaic system	Stäubli Electrical Connectors AG	Model: PV-KST4-EVO2/6II_UR(male), PV-KBT4-EVO2/6II_UR(female), 1500V DC,45A,IP68(1m, 1h),-40 to 85°C	TÜV SÜD
10 Bypass diode	SUZHOU UKT NEW ENERGY TECHNOLOGY CO.,LTD	Schottky, Type: TM3045-30 for PV-JB12x(x=S1 or S2) Max. peak reverse voltage 45V, Forward Rectified current 30A. Max junction temperature 200°C No. of bypass diodes: 3  Schottky, Type: TM3045-25 for PV-JB12x(x=A-25 or B-25) Max. peak reverse voltage 45V, Forward Rectified current 30A. Max junction temperature 200°C No. of bypass diodes: 3  Schottky, Type: TM3045-20 for PV-JB12x(x=N1 or N2) Max. peak reverse voltage 45V, Forward Rectified current 30A. Max junction temperature 200°C No. of bypass diodes: 3	Tested with appliance
11 Cell interconnector	Koswire Co., Ltd.	Cross section: $\Phi 0.35 \pm 0.02$ mm Material: Base composition: TU1 ( $\geq 99.97\%$ ), soldering material:Sn60Pb40 Coating thickness: 15 $\pm$ 5 $\mu$ m for single side	Tested with appliance
12 String connector	Koswire Co., Ltd.	Cross section: 0.35x6.0( mm), Material: Base composition: TU1 ( $\geq 99.97\%$ ), soldering material:Sn60Pb40, Coating thickness: 15 $\pm$ 5 $\mu$ m for single side	Tested with appliance
13 Fluxing material	ASAHI SOLDER.	Type: SF105	Tested with appliance
14 Frame	Ulusan Alüminyum	Anodized aluminum alloy, type 6063-T5, assembled by key corners	Tested with appliance
15 Adhesive for frame	Shanghai Huitian New Material Co., Ltd.	Type: HT906-Z, Material:Silicon	Tested with appliance
16 Insulation material between string connectors	Cybrid Technologies Inc.	Type:115F	Tested with appliance
17 Fixing tape	Cybrid Technologies Inc.	Type: FF-3665	Tested with appliance

Test Report No. / Prüfbericht Nr.: 704062134702-00A1

Place / Ort: Konya

Date / Datum: 2021-12-25

Revised date: 2022-07-28

Name of Project manager /  
Name Projektleiter:Hongwei Li  
*Li Hongwei*Name, seal and signature of Certificate Holder /  
Name, Stempel und Unterschrift des Zertifikatinhabers:




## Data form for electrical and electronic equipment/components



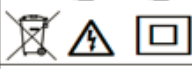
Aufbauübersicht für elektrische und elektronische Geräte/Komponenten




Page 6 of 10  
Seite 6 von 10

18 Label	Teknik Barkod	Material: PET MATT SILVER TC 50/RC18/HD 70 WHITE	Tested with appliance

## Label / Typenschild

  	<b>Model: WM6-144-HCG-440</b>			
	<b>Maximum Power / Maksimum Güç</b> 440 W <b>Power Selection / Güç Sınıflandırması</b> 0~+5 W <b>Maximum Power Voltage / Maksimum Güç Gerilimi</b> 41.4 V <b>Maximum Power Current / Maksimum Güç Akımı</b> 10.63 A <b>Open-Circuit Voltage / Açık Devre Gerilimi</b> 49.7 V <b>Short-Circuit Current / Kısa Devre Akımı</b> 11.27 A <b>Tolerances / Toleranslar (Pmpp, Isc, Voc) ± 3%</b>	<b>Max. System Voltage / Maksimum Sistem Gerilimi</b> 1500 V <b>Max. Overcurrent Protection Rating (Maksimum Aşırı Akım Koruması)</b> 25 A <b>PV module Classification</b> Class II <b>Dimensions / Ölçüler</b> 2094x1038x35 mm <b>Weight / Ağırlık</b> 27.5 Kg <b>STC / Standart Test Koşulları E=1000W/m<sup>2</sup>, Tc=25°C, AM=1.5 (According to IEC 60904-3)</b> <b>Do not disconnect under load</b>		
<b>Made in Türkiye</b>	DAXLER, bir Daxler Energy A.Ş markasıdır. DAXLER is a registered trademark of Daxler Energy A.Ş.		Address/Adres: Büyükkayacık OSB Mah. 102. Cad. No:3/1 Selçuklu/KONYA 42250	

  	<b>Model: WM10-144-HCG-540</b>			
	<b>Maximum Power / Maksimum Güç</b> 540 W <b>Power Selection / Güç Sınıflandırması</b> 0~+5 W <b>Maximum Power Voltage / Maksimum Güç Gerilimi</b> 41.55 V <b>Maximum Power Current / Maksimum Güç Akımı</b> 13.00 A <b>Open-Circuit Voltage / Açık Devre Gerilimi</b> 49.5 V <b>Short-Circuit Current / Kısa Devre Akımı</b> 13.81 A <b>Tolerances / Toleranslar (Pmpp, Isc, Voc) ± 3%</b>	<b>Max. System Voltage / Maksimum Sistem Gerilimi</b> 1500 V <b>Max. Overcurrent Protection Rating (Maksimum Aşırı Akım Koruması)</b> 30 A <b>PV module Classification</b> Class II <b>Dimensions / Ölçüler</b> 2279x1134x35 mm <b>Weight / Ağırlık</b> 30.5 Kg <b>STC / Standart Test Koşulları E=1000W/m<sup>2</sup>, Tc=25°C, AM=1.5 (According to IEC 60904-3)</b> <b>Do not disconnect under load</b>		
<b>Made in Türkiye</b>	DAXLER, bir Daxler Energy A.Ş markasıdır. DAXLER is a registered trademark of Daxler Energy A.Ş.		Address/Adres: Büyükkayacık OSB Mah. 102. Cad. No:3/1 Selçuklu/KONYA 42250	

  	<b>Model: WM12-132-HCG-650</b>			
	<b>Maximum Power / Maksimum Güç</b> 650 W <b>Power Selection / Güç Sınıflandırması</b> 0~+5 W <b>Maximum Power Voltage / Maksimum Güç Gerilimi</b> 36.49 V <b>Maximum Power Current / Maksimum Güç Akımı</b> 17.82 A <b>Open-Circuit Voltage / Açık Devre Gerilimi</b> 43.49 V <b>Short-Circuit Current / Kısa Devre Akımı</b> 19.03 A <b>Tolerances / Toleranslar (Pmpp, Isc, Voc) ± 3%</b>	<b>Max. System Voltage / Maksimum Sistem Gerilimi</b> 1500 V <b>Max. Overcurrent Protection Rating (Maksimum Aşırı Akım Koruması)</b> 35 A <b>PV module Classification</b> Class II <b>Dimensions / Ölçüler</b> 2401x1303x35 mm <b>Weight / Ağırlık</b> 38 Kg <b>STC / Standart Test Koşulları E=1000W/m<sup>2</sup>, Tc=25°C, AM=1.5 (According to IEC 60904-3)</b> <b>Do not disconnect under load</b>		
<b>Made in Türkiye</b>	DAXLER, bir Daxler Energy A.Ş markasıdır. DAXLER is a registered trademark of Daxler Energy A.Ş.		Address/Adres: Büyükkayacık OSB Mah. 102. Cad. No:3/1 Selçuklu/KONYA 42250	

Test Report No. / Prüfbericht Nr.: 704062134702-00A1

Place / Ort: Konya

Date / Datum: 2021-12-25

Revised date: 2022-07-28

Name of Project manager / Name Projektleiter: Hongwei Li

Name, seal and signature of Certificate Holder / Name, Stempel und Unterschrift des Zertifikathabers:



**Form**



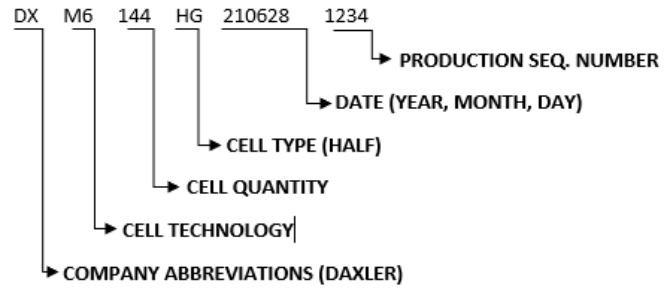
Product Service

**Data form for electrical and electronic equipment/components**

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

**Page 7 of 10**  
Seite 7 von 10

**Serial No. code bar:**



M6: 166x83mm cell  
M10: 182x91mm cell  
M12: 210x105mm cell

**Equipotential bonding symbol:**



**Warning label attached on the cable:**



Form ID: 37983 - Rev. 1 - Form Effective: 03 Apr 2020

**Test Report No. / Prüfbericht Nr.:** 704062134702-00A1

**Name of Project manager /** Hongwei Li  
**Name Projektleiter:**



**Place / Ort:** Konya

**Name, seal and signature of Certificate Holder /**  
**Name, Stempel und Unterschrift des Zertifikatinhabers:**

**Date / Datum:** 2021-12-25  
Revised date: 2022-07-28

## Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

Page 8 of 10  
Seite 8 von 10

Product Electrical Ratings at STC:						
Module	WM6-120-HCG-360	WM6-120-HCG-365	WM6-120-HCG-370	WM6-120-HCG-375	-	-
open-circuit voltage (tolerance±3%) [V]:	41.2	41.4	41.6	41.8	-	-
short-circuit current (tolerance±3%) [A]:	11.16	11.26	11.34	11.41	-	-
voltage at max. power [V]:	34.2	34.4	34.6	34.8	-	-
current at max. power [A]:	10.53	10.62	10.70	10.78	-	-
max. power (tolerance±3%) [W]:	360	365	370	375	-	-
Maximum Over-Current Protection Rating [A]	25	25	25	25	-	-
Product Electrical Ratings at STC:						
Module	WM6-132-HCG-395	WM6-132-HCG-400	WM6-132-HCG-405	WM6-132-HCG-410	-	-
open-circuit voltage (tolerance±3%) [V]:	45.2	45.40	45.60	45.80	-	-
short-circuit current (tolerance±3%) [A]:	11.17	11.28	11.39	11.49	-	-
voltage at max. power [V]:	37.73	37.93	38.13	38.29	-	-
current at max. power [A]:	10.48	10.55	10.63	10.72	-	-
max. power (tolerance±3%) [W]:	395	400	405	410	-	-
Maximum Over-Current Protection Rating [A]	25	25	25	25	-	-
Product Electrical Ratings at STC:						
Module	WM6-144-HCG-430	WM6-144-HCG-435	WM6-144-HCG-440	WM6-144-HCG-445	WM6-144-HCG-450	-
open-circuit voltage (tolerance±3%) [V]:	49.5	49.6	49.7	49.9	50.1	-
short-circuit current (tolerance±3%) [A]:	11.12	11.18	11.27	11.34	11.41	-
voltage at max. power [V]:	41.13	41.3	41.4	41.6	41.8	-
current at max. power [A]:	10.46	10.54	10.63	10.70	10.77	-
max. power (tolerance±3%) [W]:	430	435	440	445	450	-
Maximum Over-Current Protection Rating [A]	25	25	25	25	25	-

Form ID: 37983 - Rev. 1 - Form Effective: 03 Apr 2020

Test Report No. / Prüfbericht Nr.: 704062134702-00A1

Place / Ort: Konya

Date / Datum: 2021-12-25

Revised date: 2022-07-28

Name of Project manager / Hongwei Li  
Name Projektleiter:Name, seal and signature of Certificate Holder /  
Name, Stempel und Unterschrift des Zertifikatinhabers:



## Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

Page 9 of 10  
Seite 9 von 10

Product Electrical Ratings at STC:						
Module	WM10-108-HCG-395	WM10-108-HCG-400	WM10-108-HCG-405	WM10-108-HCG-410	-	-
open-circuit voltage (tolerance±3%) [V]:	37.01	37.12	37.22	37.3	-	-
short-circuit current (tolerance±3%) [A]:	13.50	13.60	13.70	13.81	-	-
voltage at max. power [V]:	30.69	30.81	30.93	31.08	-	-
current at max. power [A]:	12.88	12.99	13.1	13.2	-	-
max. power (tolerance±3%) [W]:	395	400	405±	410	-	-
Maximum Over-Current Protection Rating [A]	30	30	30	30	-	-
Product Electrical Ratings at STC:						
Module	WM10-120-HCG-440	WM10-120-HCG-445	WM10-120-HCG-450	WM10-120-HCG-455	-	-
open-circuit voltage (tolerance±3%) [V]:	41.2	41.4	41.6	41.8	-	-
short-circuit current (tolerance±3%) [A]:	13.54	13.60	13.66	13.72	-	-
voltage at max. power [V]:	34.8	35	35.2	35.4	-	-
current at max. power [A]:	12.65	12.72	12.79	12.86	-	-
max. power (tolerance±3%) [W]:	440	445	450	455	-	-
Maximum Over-Current Protection Rating [A]	30	30	30	30	-	-
Product Electrical Ratings at STC:						
Module	WM10-132-HCG-485	WM10-132-HCG-490	WM10-132-HCG-495	WM10-132-HCG-500	-	-
open-circuit voltage (tolerance±3%) [V]:	45.36	45.5	45.7	45.9	-	-
short-circuit current (tolerance±3%) [A]:	13.6	13.68	13.75	13.82	-	-
voltage at max. power [V]:	37.92	38.12	38.32	38.52	-	-
current at max. power [A]:	12.8	12.86	12.92	12.99	-	-
max. power (tolerance±3%) [W]:	485	490	495	500	-	-
Maximum Over-Current Protection Rating [A]	30	30	30	30	-	-

Form ID: 37983 - Rev. 1 - Form Effective: 03 Apr 2020

Test Report No. / Prüfbericht Nr.: 704062134702-00A1

Place / Ort: Konya

Date / Datum: 2021-12-25

Revised date: 2022-07-28

Name of Project manager / Hongwei Li  
Name Projektleiter:Name, seal and signature of Certificate Holder /  
Name, Stempel und Unterschrift des Zertifikatinhabers:

## Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

Page 10 of 10  
Seite 10 von 10

Product Electrical Ratings at STC:						
Module	WM10-144-HCG-530	WM10-144-HCG-535	WM10-144-HCG-540	WM10-144-HCG-545	WM10-144-HCG-550	WM10-144-HCG-555
open-circuit voltage (tolerance±3%) [V]:	49.33	49.4	49.5	49.8	49.9	50.1
short-circuit current (tolerance±3%) [A]:	13.60	13.70	13.81	13.86	13.9	13.93
voltage at max. power [V]:	41.03	41.29	41.55	41.84	42.11	42.16
current at max. power [A]:	12.92	12.96	13.00	13.04	13.08	13.17
max. power (tolerance±3%) [W]:	530	535	540	545	550	555
Maximum Over-Current Protection Rating [A]	30	30	30	30	30	30
Product Electrical Ratings at STC:						
Module	WM12-120-HCG-585	WM12-120-HCG-590	WM12-120-HCG-595	WM12-120-HCG-600	WM12-120-HCG-605	-
open-circuit voltage (tolerance±3%) [V]:	40.7	40.9	41.1	41.3	41.5	-
short-circuit current (tolerance±3%) [A]:	18.32	18.37	18.42	18.47	18.52	-
voltage at max. power [V]:	34.30	34.5	34.7	34.9	35.1	-
current at max. power [A]:	17.06	17.11	17.15	17.2	17.25	-
max. power (tolerance±3%) [W]:	585	590	595	600	605	-
Maximum Over-Current Protection Rating [A]	35	35	35	35	35	-
Product Electrical Ratings at STC:						
Module	WM12-132-HCG-645	WM12-132-HCG-650	WM12-132-HCG-655	WM12-132-HCG-660	WM12-132-HCG-665	-
open-circuit voltage (tolerance±3%) [V]:	43.26	43.49	43.7	43.9	44.1	-
short-circuit current (tolerance±3%) [A]:	19.01	19.03	19.09	19.14	19.19	-
voltage at max. power [V]:	36.27	36.49	36.62	36.82	37.02	-
current at max. power [A]:	17.79	17.82	17.89	17.93	17.97	-
max. power (tolerance±3%) [W]:	645	650	655	660	665	-
Maximum Over-Current Protection Rating [A]	35	35	35	35	35	-

Form ID: 37983 - Rev. 1 - Form Effective: 03 Apr 2020

Test Report No. / Prüfbericht Nr.: 704062134702-00A1

Place / Ort: Konya

Date / Datum: 2021-12-25

Revised date: 2022-07-28

Name of Project manager / Hongwei Li  
Name Projektleiter:Name, seal and signature of Certificate Holder /  
Name, Stempel und Unterschrift des Zertifikatinhabers: