

HORAY

HORAY



Customized & Non-Standard Expert

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Official Video
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Official TikTok
Account

Solar Creek Mini Series

Non-Standard PV Module Collection



ABOUT HORAY SOLAR

HORAY SOLAR is a leading integrated photovoltaic company specializing in the research and development, production, and sales of solar cells, modules, and power systems. Our comprehensive product range includes high-quality solar cells and modules, among others.

Our state-of-the-art manufacturing facility is accredited with ISO9001, 45001, and 14001 certifications. We adhere to the highest standards of production and follow the international norms of IEC 61215 & IEC 61730 for the manufacture of HORAY SOLAR panels. Additionally, we offer OEM and ODM services to cater to the specific requirements of our customers. Our solar panels are certified with CE, TÜV and CQC, ensuring their compliance with various quality and safety standards.

Since its establishment, HORAY SOLAR has consistently prioritized product quality. Backed by strong technical support, professional production equipment, scientific production management, and stringent quality control, their products have achieved industry-leading standards. They have obtained numerous authoritative certifications both domestically and internationally, earning recognition and trust from a multitude of customers.

Looking ahead, HORAY SOLAR will persistently dedicate itself to the photovoltaic module industry, assuming the responsibility of promoting global green energy development. Together with global partners, we strive to create a better life for humanity and contribute to a greener home for every individual worldwide.

PRODUCT FEATURES



SMBB Technology

More uniform current collection capability, reducing the current heat loss of the internal cells.



Higher Output Power

The output power of monocrystalline modules is higher than normal modules.



Low Light Features

Higher performance under low light environment.



Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by the third party.



With Very Low LID

Monocrystalline solar cell has very low LID which can reduce power degradation.



PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.

CERTIFICATES



IEC 61215:2021
IEC 61730:2023



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018



Europe Standard



China Quality Certification Centre

APPLICATION



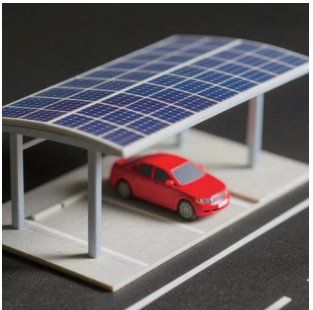
POWER FOR RVs



POWER FOR LIGHTS



POWER FOR CAMPING



POWER FOR CARPORT

CUSTOMIZATION

We offer complete customization of solar panels to meet the unique demands of your application.

Size & Shape: Specify exact dimensions, or request unique shapes to fit constrained or innovative designs.

Power Output: We can tailor the cell configuration to achieve your precise power requirements.

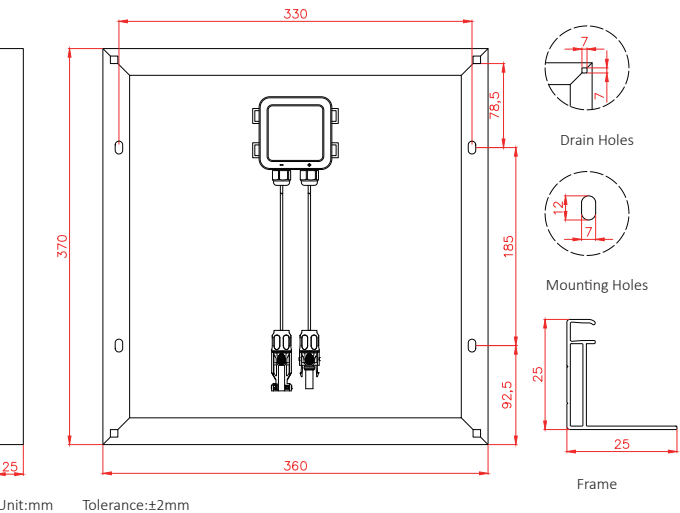
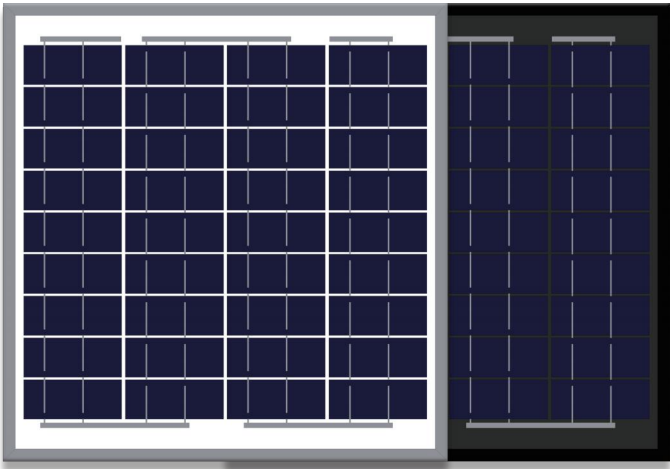
Electrical Parameters: Customize electrical characteristics to perfectly match your system.

Durability & Aesthetics: Choose from various frame finishes, backsheet colors, junction box and so on.

HS 1/10G1-36 Mini



20W



Dimension		370×360×25mm
Cell Orientation		36 (4×9)
Weight		2.0kg
Junction Box		IP67
Output Cable		1.5mm², length can be customized
Connector		MC4 compatible
Glass		3.2mm AR coated tempered glass
Frame		Anodized aluminum alloy frame
Operational Temperature		-40°C~+85°C
Power Output Tolerance		0~3%
Maximum System Voltage		1000V
Maximum Series Fuse Rating		10A
Nominal Operating Cell Temperature		45±2°C
Fire Rating		IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre



10

10-year product warranty

25

25-year power output warranty

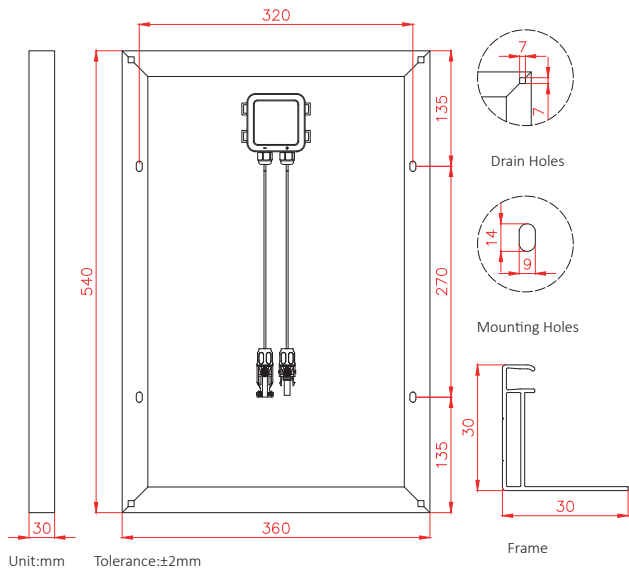
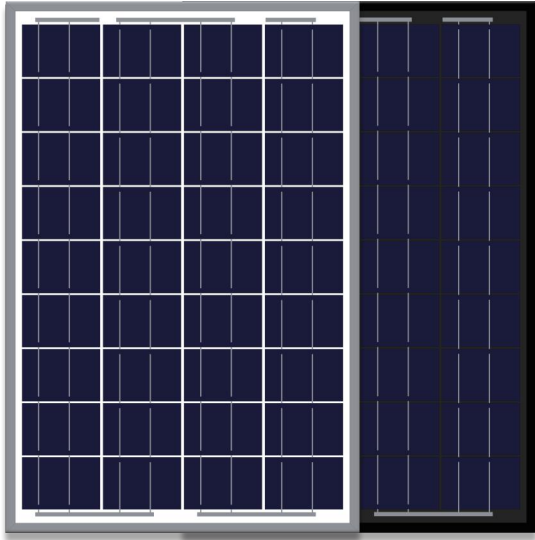
Module Type	HM20-MHL
Testing Condition	STC
Maximum Power(Pmax/W)	20
Open Circuit Voltage(Voc/V)	25.21
Short Circuit Current(Isc/A)	1.01
Maximum Power Voltage(Vmp/V)	20.95
Maximum Power Current(Imp/A)	0.95
Module Efficiency(%)	15.0
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Pmax	-0.34%/°C
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.	

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HS 1/6G1-36 Mini



30W



Dimension		540×360×30mm
Cell Orientation		36 (4×9)
Weight		2.5kg
Junction Box		IP67
Output Cable		1.5mm², length can be customized
Connector		MC4 compatible
Glass		3.2mm AR coated tempered glass
Frame		Anodized aluminum alloy frame
Operational Temperature		-40°C~+85°C
Power Output Tolerance		0~3%
Maximum System Voltage		1000V
Maximum Series Fuse Rating		10A
Nominal Operating Cell Temperature		45±2°C
Fire Rating		IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre



10

10-year product warranty

25

25-year power output warranty

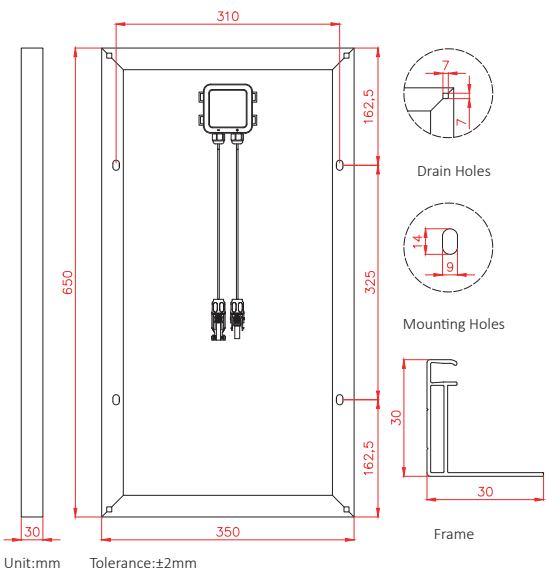
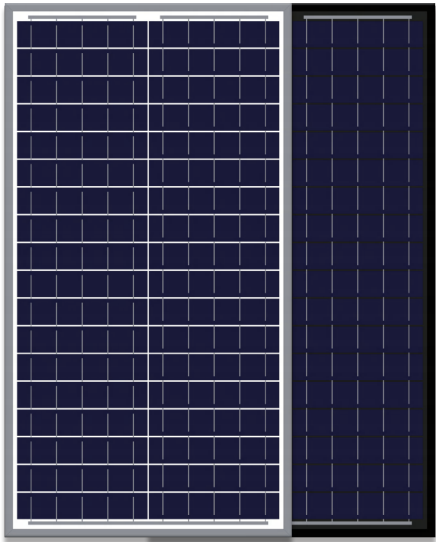
Module Type	HM30-MHL
Testing Condition	STC
Maximum Power(Pmax/W)	30
Open Circuit Voltage(Voc/V)	24.26
Short Circuit Current(Isc/A)	1.57
Maximum Power Voltage(Vmp/V)	20.16
Maximum Power Current(Imp/A)	1.49
Module Efficiency(%)	15.4
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Pmax	-0.34%/°C
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.	

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HS 1/5G1-36 Mini



40W



Dimension	650×350×30mm
Cell Orientation	36 (2×18)
Weight	3.0kg
Junction Box	IP67
Output Cable	1.5mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1000V
Maximum Series Fuse Rating	10A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

 10-year product warranty

 25-year power output warranty

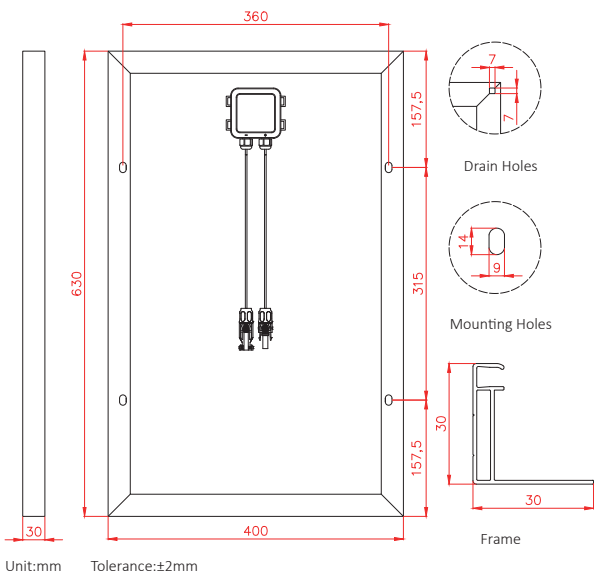
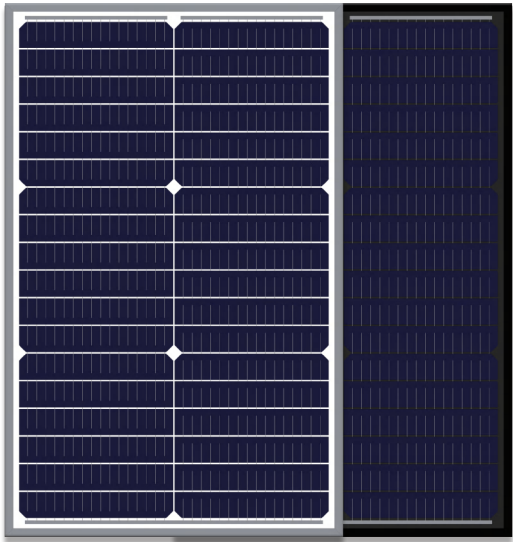
Module Type	HM40-MHL
Testing Condition	STC
Maximum Power(Pmax/W)	40
Open Circuit Voltage(Voc/V)	25.21
Short Circuit Current(Isc/A)	2.02
Maximum Power Voltage(Vmp/V)	20.95
Maximum Power Current(Imp/A)	1.91
Module Efficiency(%)	17.6
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Pmax	-0.34%/°C
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.	

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HS 1/6M10-36 TC Mini



45W / 50W



Dimension	630×400×30mm
Cell Orientation	36 (2x18)
Weight	4.0kg
Junction Box	IP67
Output Cable	1.5mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1000V
Maximum Series Fuse Rating	10A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

 10-year product warranty

 25-year power output warranty

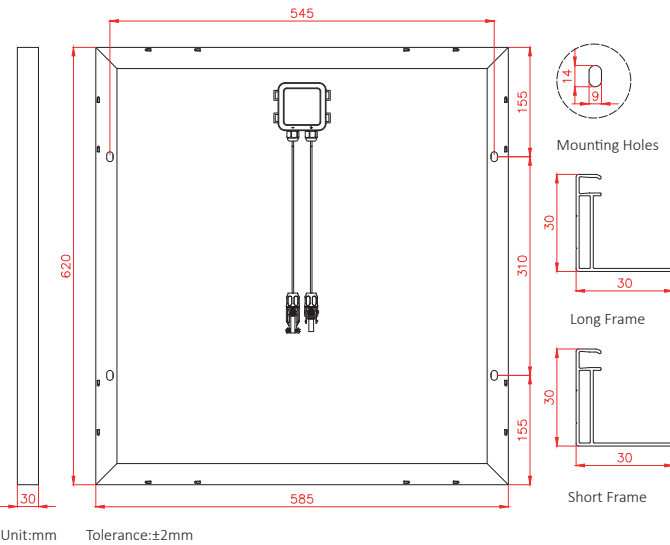
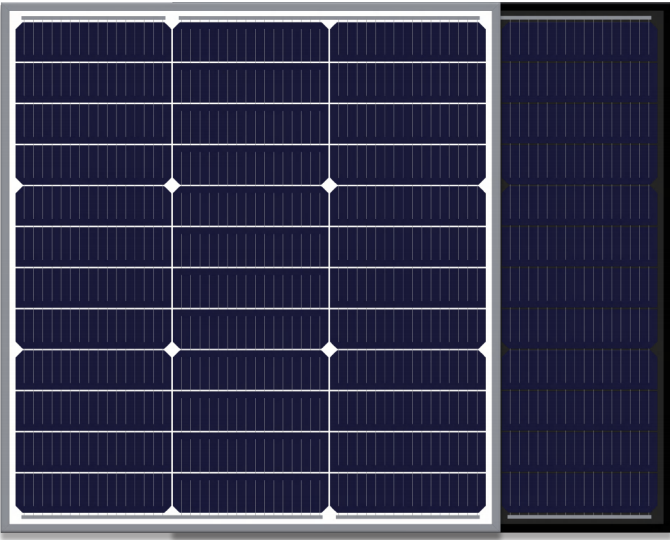
Module Type	HM45TC-MHO	HM50TC-MHO
Testing Condition	STC	STC
Maximum Power(Pmax/W)	45	50
Open Circuit Voltage(Voc/V)	26.86	27.68
Short Circuit Current(Isc/A)	2.13	2.30
Maximum Power Voltage(Vmp/V)	22.32	23.00
Maximum Power Current(Imp/A)	2.02	2.17
Module Efficiency(%)	17.9	19.8
Temperature Coefficient of Isc	+0.04%/°C	
Temperature Coefficient of Voc	-0.23%/°C	
Temperature Coefficient of Pmax	-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.		

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HS 1/4M10-36 TC Mini



70W / 75W



Unit:mm Tolerance:±2mm

Dimension		620×585×30mm
Cell Orientation		36 (3x12)
Weight		4.5kg
Junction Box		IP67
Output Cable	1.5mm², length can be customized	
Connector		MC4 compatible
Glass		3.2mm AR coated tempered glass
Frame		Anodized aluminum alloy frame
Operational Temperature		-40°C~+85°C
Power Output Tolerance		0~3%
Maximum System Voltage		1000V
Maximum Series Fuse Rating		10A
Nominal Operating Cell Temperature		45±2°C
Fire Rating		IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre



 10-year product warranty

 25-year power output warranty

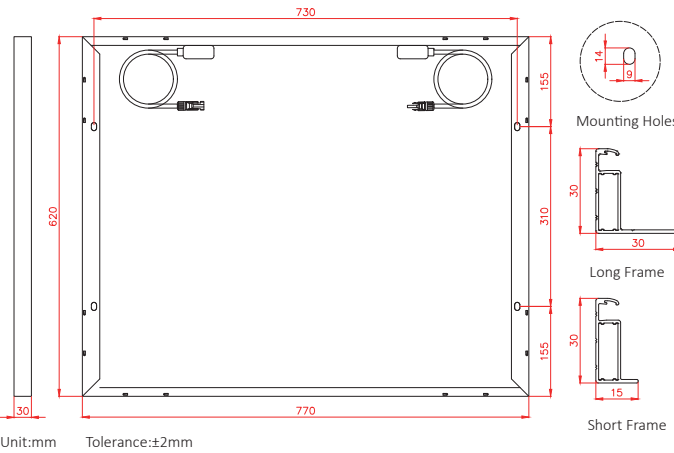
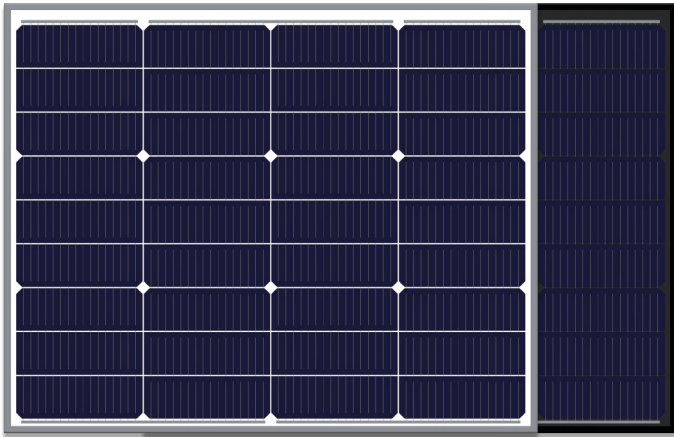
Module Type	HM70TC-MHO	HM75TC-MHO
Testing Condition	STC	STC
Maximum Power(Pmax/W)	70	75
Open Circuit Voltage(Voc/V)	27.03	27.90
Short Circuit Current(Isc/A)	3.29	3.42
Maximum Power Voltage(Vmp/V)	22.46	23.18
Maximum Power Current(Imp/A)	3.12	3.23
Module Efficiency(%)	19.3	20.7
Temperature Coefficient of Isc	+0.04%/°C	
Temperature Coefficient of Voc	-0.23%/°C	
Temperature Coefficient of Pmax	-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.		

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HS 1/3M10-36 TC Mini



90W / 95W / 100W



Unit:mm Tolerance:±2mm

Dimension		620×770×30mm
Cell Orientation		36 (4×9)
Weight		5.5kg
Junction Box		IP68
Output Cable	4mm², length can be customized	
Connector		MC4 compatible
Glass		3.2mm AR coated tempered glass
Frame		Anodized aluminum alloy frame
Operational Temperature		-40°C~+85°C
Power Output Tolerance		0~3%
Maximum System Voltage		1500V
Maximum Series Fuse Rating		20A
Nominal Operating Cell Temperature		45±2°C
Fire Rating		IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre



 10-year product warranty

 25-year power output warranty

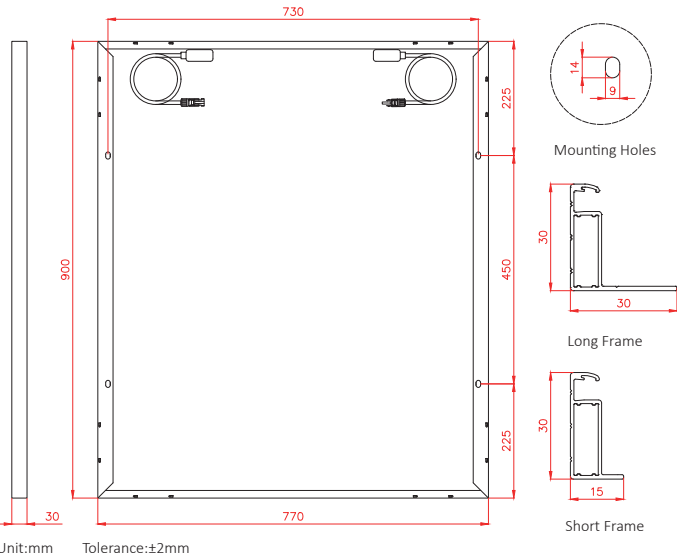
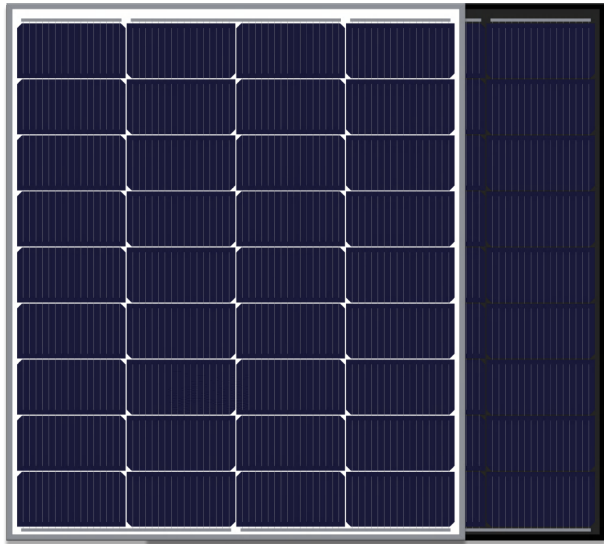
Module Type	HM90TC-MHO	HM95TC-MHO	HM100TC-MHO
Testing Condition	STC	STC	STC
Maximum Power(Pmax/W)	90	95	100
Open Circuit Voltage(Voc/V)	26.86	27.29	27.72
Short Circuit Current(Isc/A)	4.26	4.42	4.58
Maximum Power Voltage(Vmp/V)	22.32	22.68	23.04
Maximum Power Current(Imp/A)	4.03	4.19	4.34
Module Efficiency(%)	18.9	19.9	20.9
Temperature Coefficient of Isc	+0.04%/°C		
Temperature Coefficient of Voc	-0.23%/°C		
Temperature Coefficient of Pmax	-0.28%/°C		
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.			

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HS 1/2M10-36 TC Mini



140W / 145W / 150W



Dimension	900×770×30mm
Cell Orientation	36 (4×9)
Weight	8.5kg
Junction Box	IP68
Output Cable	4mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1500V
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

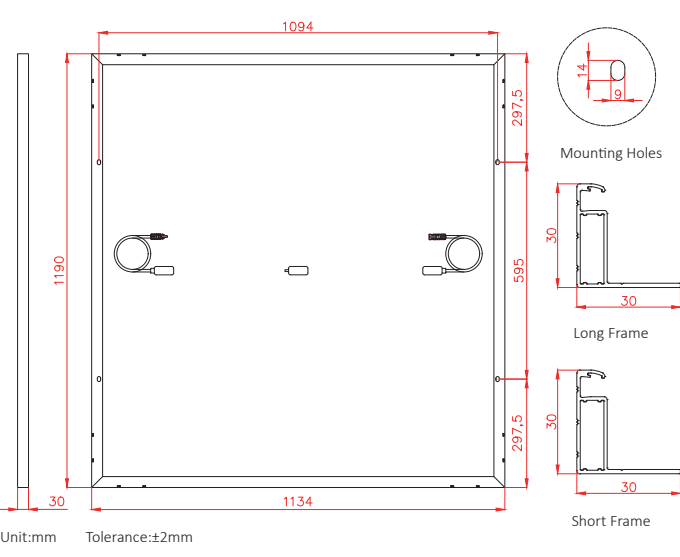
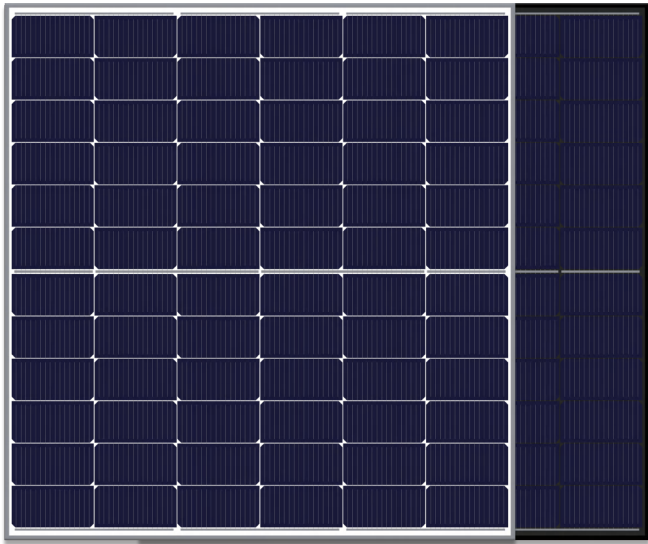
Module Type	HM140TC-MHO	HM145TC-MHO	HM150TC-MHO
Testing Condition	STC	STC	STC
Maximum Power(Pmax/W)	140	145	150
Open Circuit Voltage(Voc/V)	27.03	27.64	27.90
Short Circuit Current(Isc/A)	6.58	6.67	6.83
Maximum Power Voltage(Vmp/V)	22.46	22.97	23.18
Maximum Power Current(Imp/A)	6.23	6.31	6.47
Module Efficiency(%)	20.2	20.9	21.6
Temperature Coefficient of Isc		+0.04%/°C	
Temperature Coefficient of Voc		-0.23%/°C	
Temperature Coefficient of Pmax		-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.			

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HS 1/2M10-72 TC Mini



280W / 285W / 290W / 295W / 300W



Dimension	1190×1134×30mm
Cell Orientation	72 (6×12)
Weight	15.5kg
Junction Box	IP68
Output Cable	4mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1500V
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

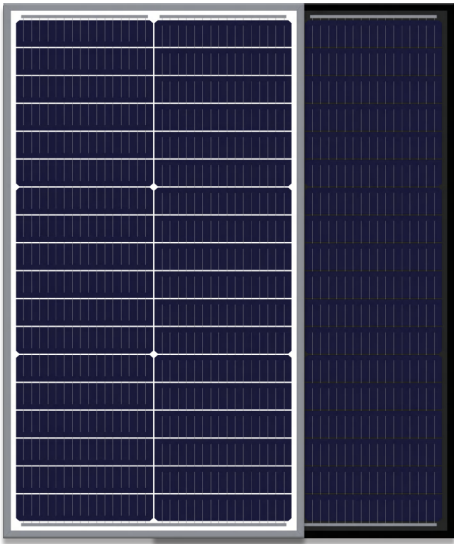
Module Type	HM280TC-MHO	HM285TC-MHO	HM290TC-MHO	HM295TC-MHO	HM300TC-MHO
Testing Condition	STC	STC	STC	STC	STC
Maximum Power(Pmax/W)	280	285	290	295	300
Open Circuit Voltage(Voc/V)	26.86	27.16	27.46	27.68	27.90
Short Circuit Current(Isc/A)	13.25	13.33	13.42	13.54	13.67
Maximum Power Voltage(Vmp/V)	22.32	22.57	22.82	23.00	23.18
Maximum Power Current(Imp/A)	12.54	12.63	12.71	12.82	12.94
Module Efficiency(%)	20.7	21.1	21.5	21.9	22.2
Temperature Coefficient of Isc			+0.04%/°C		
Temperature Coefficient of Voc			-0.23%/°C		
Temperature Coefficient of Pmax			-0.28%/°C		
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.					

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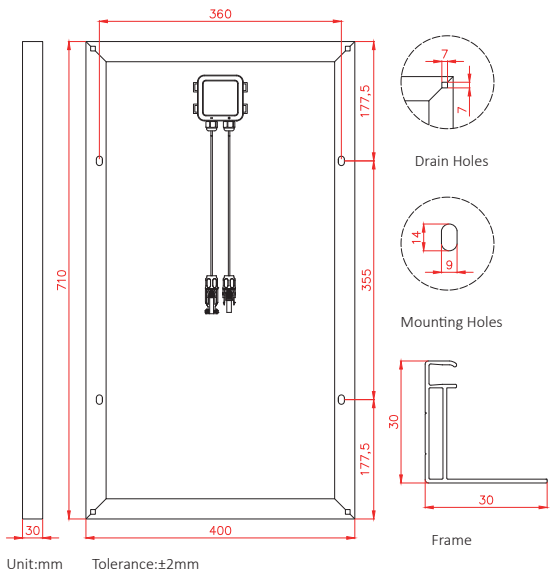
HS 1/6G12R-36 TC Mini



50W / 55W



Dimension	710×400×30mm
Cell Orientation	36 (2×18)
Weight	4.0kg
Junction Box	IP67
Output Cable	1.5mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1000V
Maximum Series Fuse Rating	10A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C



CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

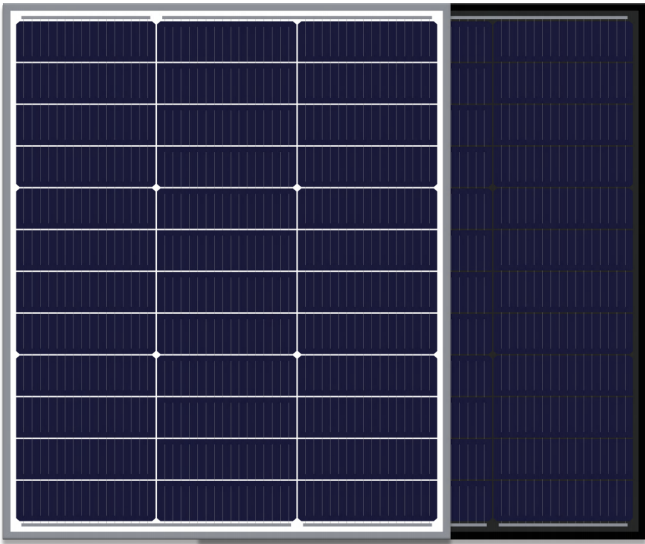
Module Type	HM50TC-MHC	HM55TC-MHC
Testing Condition	STC	STC
Maximum Power(Pmax/W)	50	55
Open Circuit Voltage(Voc/V)	26.64	27.42
Short Circuit Current(Isc/A)	2.39	2.55
Maximum Power Voltage(Vmp/V)	22.14	22.79
Maximum Power Current(Imp/A)	2.26	2.41
Module Efficiency(%)	17.6	19.4
Temperature Coefficient of Isc	+0.04%/°C	
Temperature Coefficient of Voc	-0.23%/°C	
Temperature Coefficient of Pmax	-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.		

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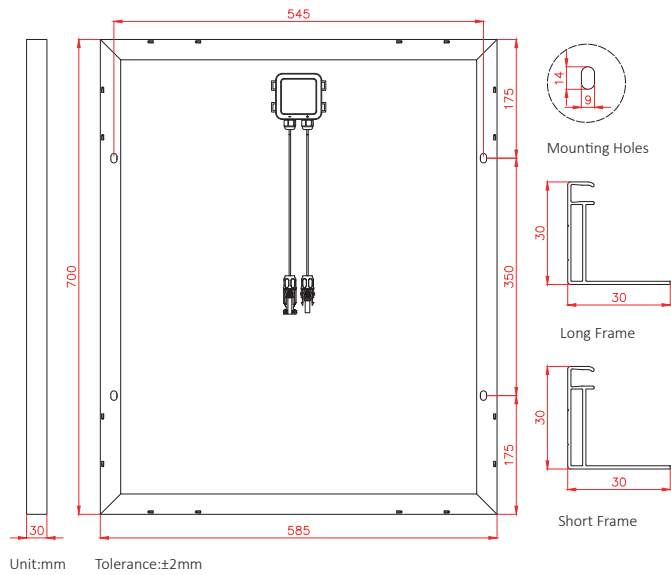
HS 1/4G12R-36 TC Mini



80W / 85W



Dimension	700×585×30mm
Cell Orientation	36 (3×12)
Weight	5.0kg
Junction Box	IP67
Output Cable	1.5mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1000V
Maximum Series Fuse Rating	10A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C



CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

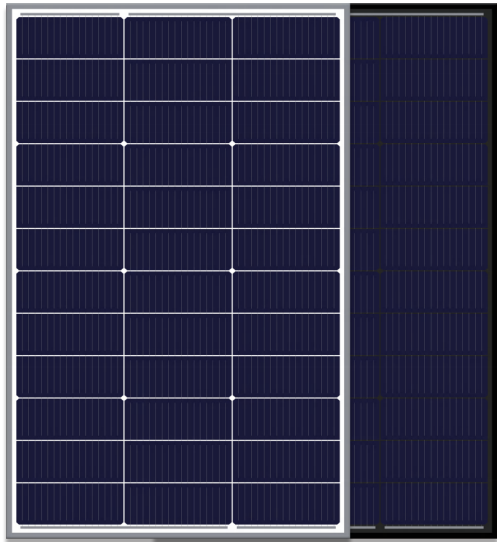
Module Type	HM80TC-MHC	HM85TC-MHC
Testing Condition	STC	STC
Maximum Power(Pmax/W)	80	85
Open Circuit Voltage(Voc/V)	26.77	27.90
Short Circuit Current(Isc/A)	3.80	3.87
Maximum Power Voltage(Vmp/V)	22.25	23.18
Maximum Power Current(Imp/A)	3.60	3.67
Module Efficiency(%)	19.5	20.8
Temperature Coefficient of Isc	+0.04%/°C	
Temperature Coefficient of Voc	-0.23%/°C	
Temperature Coefficient of Pmax	-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.		

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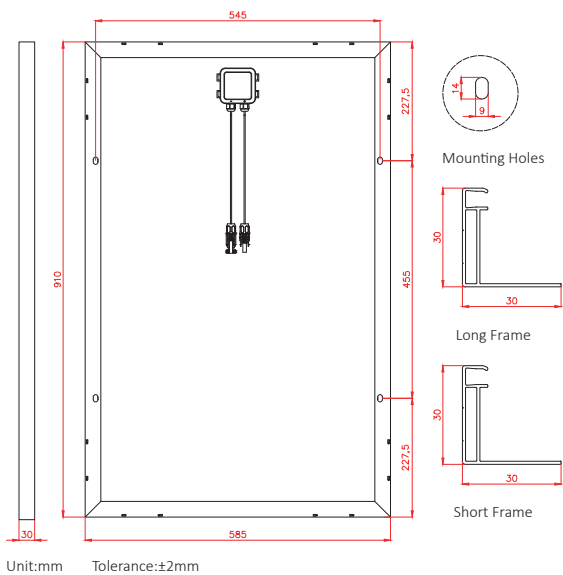
HS 1/3G12R-36 TC Mini



105W / 110W / 115W



Dimension	910×585×30mm
Cell Orientation	36 (3×12)
Weight	6.0kg
Junction Box	IP67
Output Cable	1.5mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1000V
Maximum Series Fuse Rating	10A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C



CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

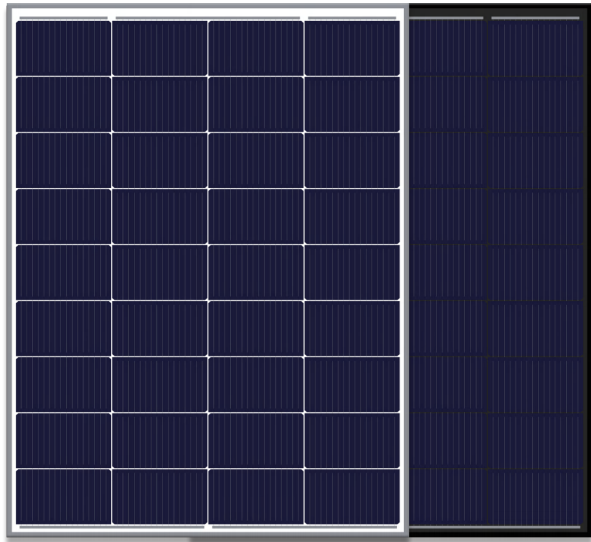
Module Type	HM105TC-MHC	HM110TC-MHC	HM115TC-MHC
Testing Condition	STC	STC	STC
Maximum Power(Pmax/W)	105	110	115
Open Circuit Voltage(Voc/V)	26.77	27.42	27.90
Short Circuit Current(Isc/A)	4.98	5.10	5.24
Maximum Power Voltage(Vmp/V)	22.25	22.79	23.18
Maximum Power Current(Imp/A)	4.72	4.83	4.96
Module Efficiency(%)	19.7	20.7	21.6
Temperature Coefficient of Isc		+0.04%/°C	
Temperature Coefficient of Voc		-0.23%/°C	
Temperature Coefficient of Pmax		-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.			

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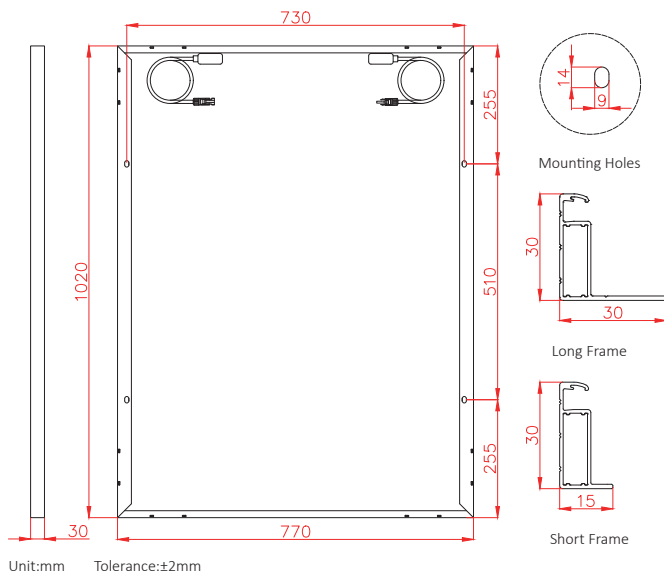
HS 1/2G12R-36 TC Mini



160W / 165W / 170W



Dimension	1020×770×30mm
Cell Orientation	36 (4×9)
Weight	8.5kg
Junction Box	IP68
Output Cable	4mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1500V
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C



CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

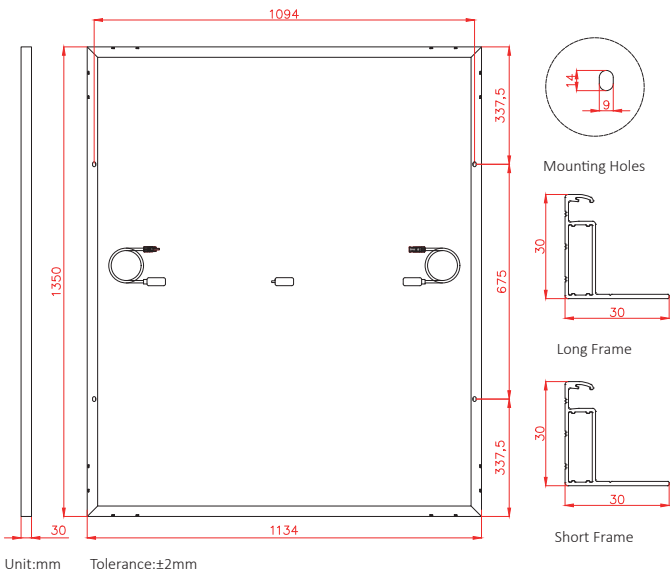
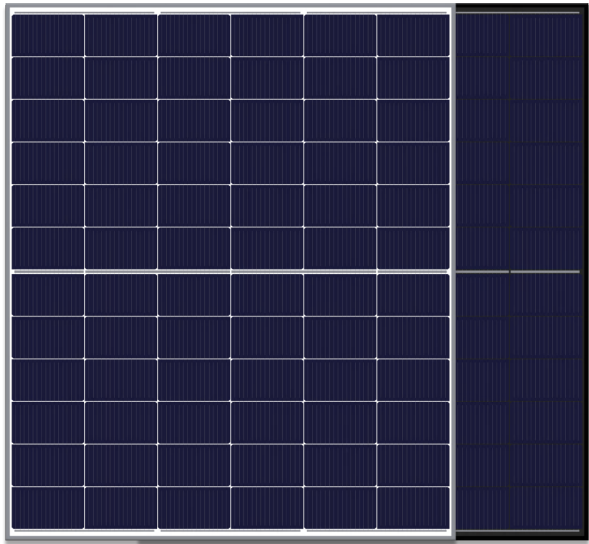
Module Type	HM160TC-MHC	HM165TC-MHC	HM170TC-MHC
Testing Condition	STC	STC	STC
Maximum Power(Pmax/W)	160	165	170
Open Circuit Voltage(Voc/V)	26.77	27.42	27.90
Short Circuit Current(Isc/A)	7.60	7.65	7.74
Maximum Power Voltage(Vmp/V)	22.25	22.79	23.18
Maximum Power Current(Imp/A)	7.19	7.24	7.33
Module Efficiency(%)	20.4	21.0	21.6
Temperature Coefficient of Isc		+0.04%/°C	
Temperature Coefficient of Voc		-0.23%/°C	
Temperature Coefficient of Pmax		-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.			

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HS 1/2G12R-72 TC Mini



320W / 325W / 330W / 335W / 340W



Unit:mm Tolerance:±2mm

Dimension	1350×1134×30mm
Cell Orientation	72 (6×12)
Weight	15.5kg
Junction Box	IP68
Output Cable	4mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1500V
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10 10-year product warranty

25 25-year power output warranty

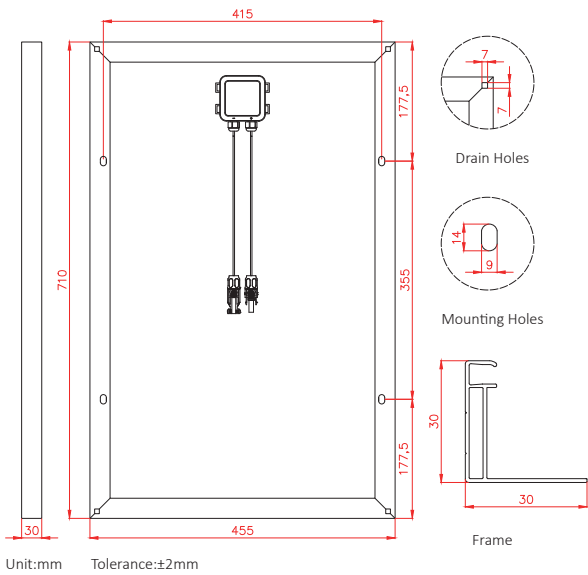
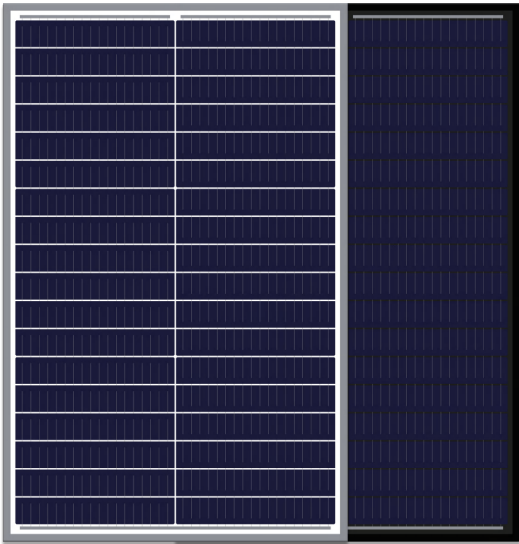
Module Type	HM320TC-MHC	HM325TC-MHC	HM330TC-MHC	HM335TC-MHC	HM340TC-MHC
Testing Condition	STC	STC	STC	STC	STC
Maximum Power(Pmax/W)	320	325	330	335	340
Open Circuit Voltage(Voc/V)	26.64	26.86	27.12	27.51	27.90
Short Circuit Current(Isc/A)	15.26	15.38	15.46	15.48	15.49
Maximum Power Voltage(Vmp/V)	22.14	22.32	22.54	22.86	23.18
Maximum Power Current(Imp/A)	14.45	14.56	14.64	14.65	14.67
Module Efficiency(%)	20.9	21.2	21.6	21.9	22.2
Temperature Coefficient of Isc	+0.04%/°C				
Temperature Coefficient of Voc	-0.23%/°C				
Temperature Coefficient of Pmax	-0.28%/°C				
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.					

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HS 1/6G12-36 TC Mini



60W / 65W



Unit:mm Tolerance:±2mm

Dimension	710×455×30mm
Cell Orientation	36 (2×18)
Weight	4.0kg
Junction Box	IP67
Output Cable	1.5mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1000V
Maximum Series Fuse Rating	10A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10 10-year product warranty

25 25-year power output warranty

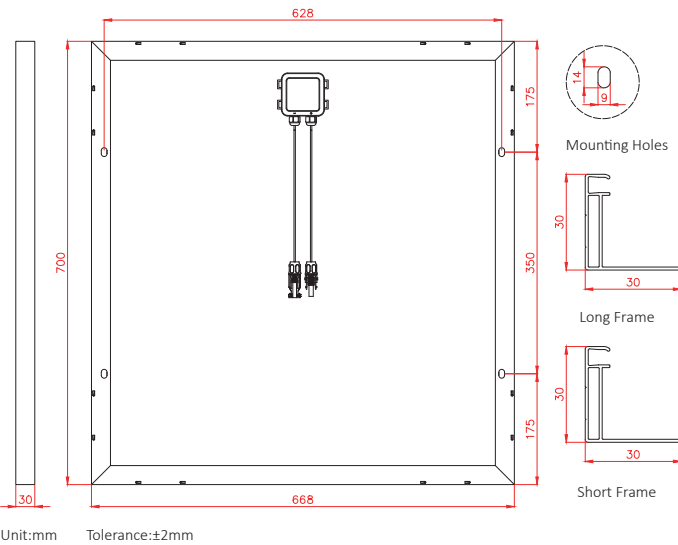
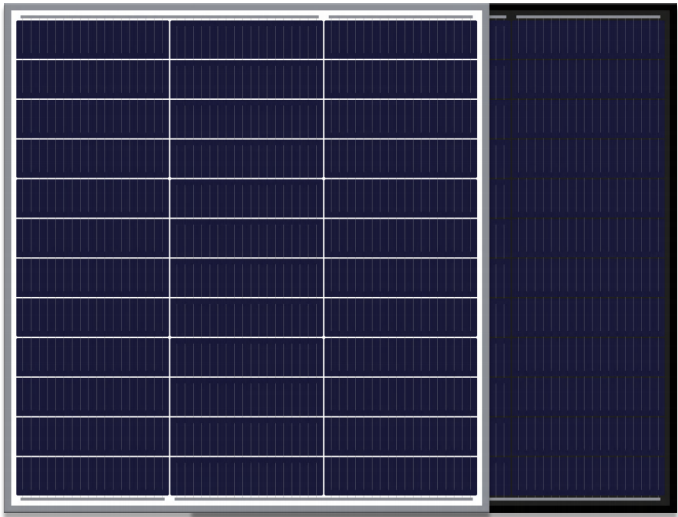
Module Type	HM60TC-MHG	HM65TC-MHG
Testing Condition	STC	STC
Maximum Power(Pmax/W)	60	65
Open Circuit Voltage(Voc/V)	26.64	27.29
Short Circuit Current(Isc/A)	2.86	3.03
Maximum Power Voltage(Vmp/V)	22.14	22.68
Maximum Power Current(Imp/A)	2.71	2.87
Module Efficiency(%)	18.6	20.1
Temperature Coefficient of Isc	+0.04%/°C	
Temperature Coefficient of Voc	-0.23%/°C	
Temperature Coefficient of Pmax	-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.		

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HS 1/4G12-36 TC Mini



90W / 95W / 100W



Dimension		700×668×30mm
Cell Orientation		36 (3×12)
Weight		5.5kg
Junction Box		IP67
Output Cable		1.5mm², length can be customized
Connector		MC4 compatible
Glass		3.2mm AR coated tempered glass
Frame		Anodized aluminum alloy frame
Operational Temperature		-40°C~+85°C
Power Output Tolerance		0~3%
Maximum System Voltage		1000V
Maximum Series Fuse Rating		10A
Nominal Operating Cell Temperature		45±2°C
Fire Rating		IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

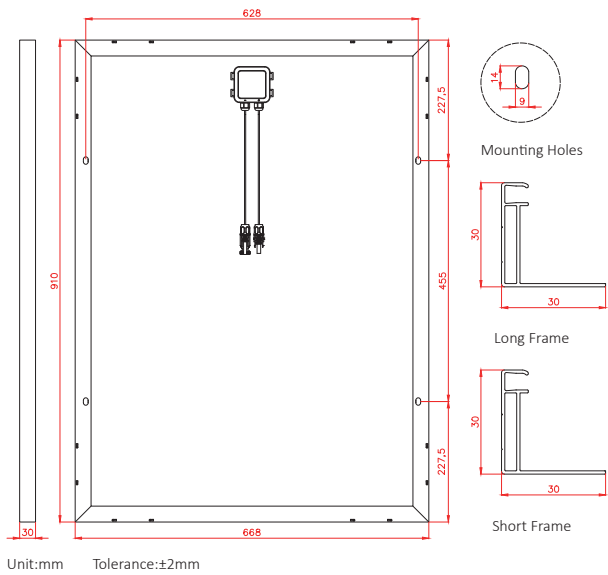
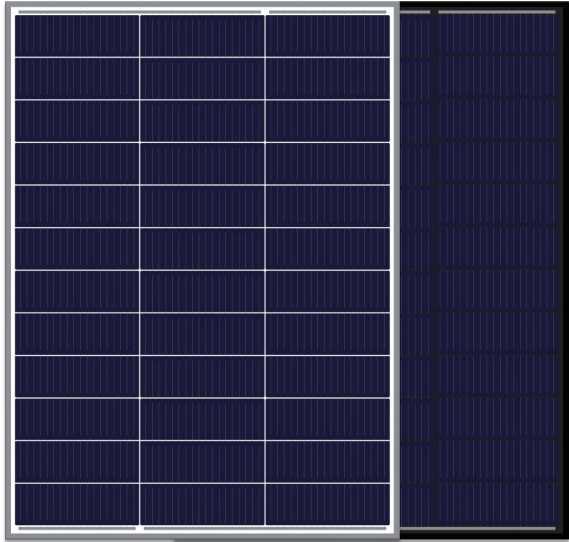
Module Type	HM90TC-MHG	HM95TC-MHG	HM100TC-MHG
Testing Condition	STC	STC	STC
Maximum Power(Pmax/W)	90	95	100
Open Circuit Voltage(Voc/V)	26.64	27.07	27.29
Short Circuit Current(Isc/A)	4.29	4.46	4.66
Maximum Power Voltage(Vmp/V)	22.14	22.50	22.68
Maximum Power Current(Imp/A)	4.07	4.22	4.41
Module Efficiency(%)	19.2	20.3	21.4
Temperature Coefficient of Isc		+0.04%/°C	
Temperature Coefficient of Voc		-0.23%/°C	
Temperature Coefficient of Pmax		-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.			

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HS 1/3G12-36 TC Mini



120W / 125W / 130W



Dimension		910×668×30mm
Cell Orientation		36 (3×12)
Weight		7.0kg
Junction Box		IP67
Output Cable		1.5mm², length can be customized
Connector		MC4 compatible
Glass		3.2mm AR coated tempered glass
Frame		Anodized aluminum alloy frame
Operational Temperature		-40°C~+85°C
Power Output Tolerance		0~3%
Maximum System Voltage		1000V
Maximum Series Fuse Rating		10A
Nominal Operating Cell Temperature		45±2°C
Fire Rating		IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

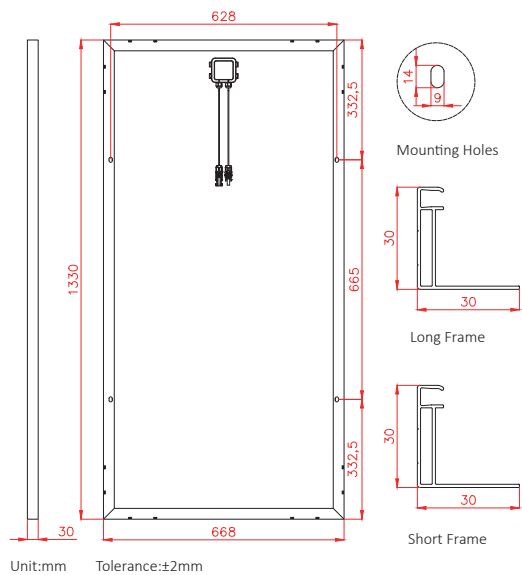
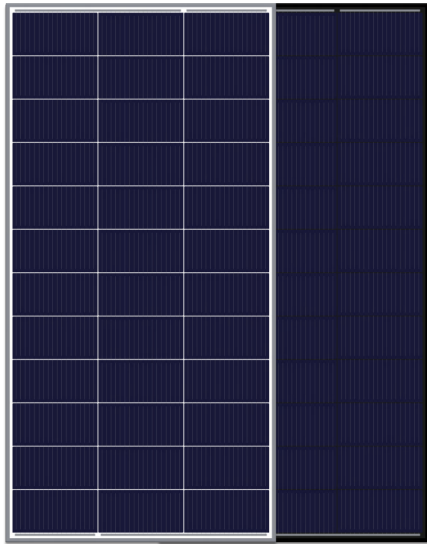
Module Type	HM120TC-MHG	HM125TC-MHG	HM130TC-MHG
Testing Condition	STC	STC	STC
Maximum Power(Pmax/W)	120	125	130
Open Circuit Voltage(Voc/V)	26.64	26.99	27.29
Short Circuit Current(Isc/A)	5.72	5.89	6.05
Maximum Power Voltage(Vmp/V)	22.14	22.43	22.68
Maximum Power Current(Imp/A)	5.42	5.57	5.73
Module Efficiency(%)	19.7	20.6	21.4
Temperature Coefficient of Isc		+0.04%/°C	
Temperature Coefficient of Voc		-0.23%/°C	
Temperature Coefficient of Pmax		-0.28%/°C	
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.			

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HS 1/2G12-36 TC Mini



185W / 190W / 195W / 200W



Dimension	1330×668×30mm
Cell Orientation	36 (3×12)
Weight	10.0kg
Junction Box	IP67
Output Cable	2.5mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1000V
Maximum Series Fuse Rating	15A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

25

25-year power output warranty

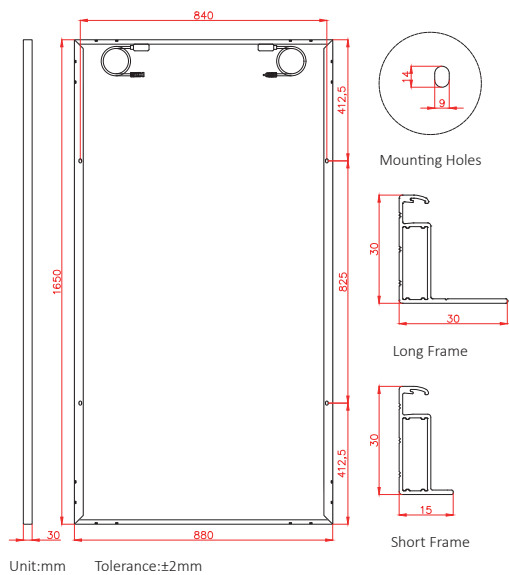
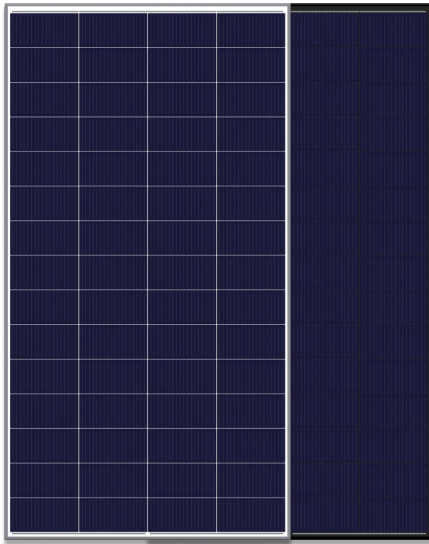
Module Type	HM185TC-MHG	HM190TC-MHG	HM195TC-MHG	HM200TC-MHG
Testing Condition	STC	STC	STC	STC
Maximum Power(Pmax/W)	185	190	195	200
Open Circuit Voltage(Voc/V)	26.64	27.03	27.29	27.38
Short Circuit Current(Isc/A)	8.82	8.93	9.08	9.11
Maximum Power Voltage(Vmp/V)	22.14	22.46	22.68	22.72
Maximum Power Current(Imp/A)	8.36	8.46	8.60	8.80
Module Efficiency(%)	20.8	21.4	22.0	22.5
Temperature Coefficient of Isc	+0.04%/°C			
Temperature Coefficient of Voc	-0.23%/°C			
Temperature Coefficient of Pmax	-0.28%/°C			
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.				

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HS 1/2G12-60 TC Mini



300W / 305W / 310W / 315W / 320W



Dimension	1650×880×30mm
Cell Orientation	60 (4×15)
Weight	15.0kg
Junction Box	IP68
Output Cable	4mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1500V
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre

10

10-year product warranty

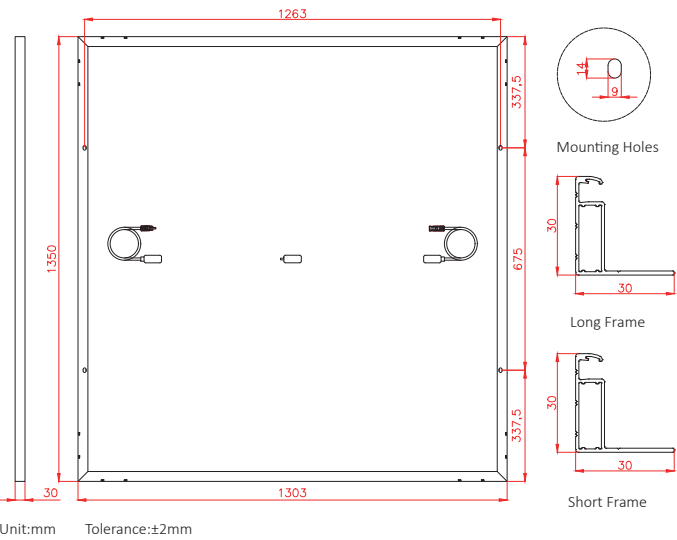
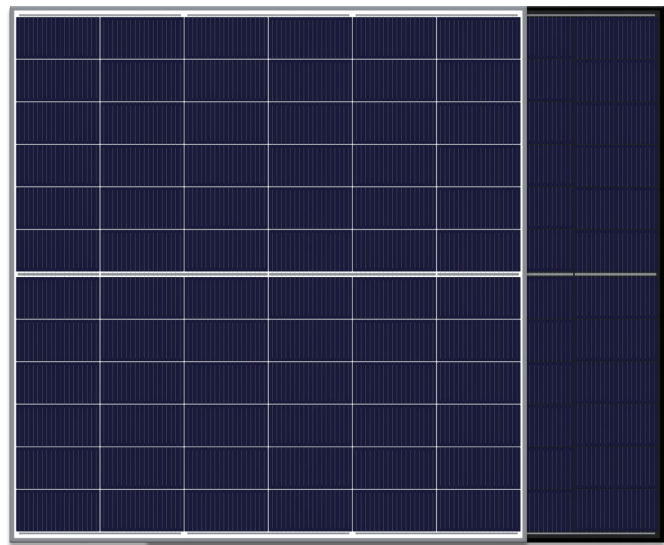
25

25-year power output warranty

Module Type	HM300TC-MHG	HM305TC-MHG	HM310TC-MHG	HM315TC-MHG	HM320TC-MHG
Testing Condition	STC	STC	STC	STC	STC
Maximum Power(Pmax/W)	300	305	310	315	320
Open Circuit Voltage(Voc/V)	44.40	44.55	44.76	45.12	45.48
Short Circuit Current(Isc/A)	8.59	8.70	8.80	8.87	8.94
Maximum Power Voltage(Vmp/V)	36.90	37.02	37.20	37.50	37.80
Maximum Power Current(Imp/A)	8.13	8.24	8.33	8.40	8.47
Module Efficiency(%)	20.7	21.0	21.4	21.7	22.0
Temperature Coefficient of Isc	+0.04%/°C				
Temperature Coefficient of Voc	-0.23%/°C				
Temperature Coefficient of Pmax	-0.28%/°C				
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.					

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370W / 375W / 380W / 385W / 390W



Dimension	1350×1303×30mm
Cell Orientation	72 (6×12)
Weight	17.5kg
Junction Box	IP68
Output Cable	4mm², length can be customized
Connector	MC4 compatible
Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy frame
Operational Temperature	-40°C~+85°C
Power Output Tolerance	0~3%
Maximum System Voltage	1500V
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	45±2°C
Fire Rating	IEC Class C

CERTIFICATES

IEC 61215:2021 / IEC61730:2023

ISO9001:2015 / ISO14001:2015 / ISO45001:2018

Europe Standard / China Quality Certification Centre


10 10-year product warranty


25 25-year power output warranty

Module Type	HM370TC-MHG	HM375TC-MHG	HM380TC-MHG	HM385TC-MHG	HM390TC-MHG
Testing Condition	STC	STC	STC	STC	STC
Maximum Power(Pmax/W)	370	375	380	385	390
Open Circuit Voltage(Voc/V)	26.64	26.86	27.03	27.16	27.29
Short Circuit Current(Isc/A)	17.65	17.74	17.86	18.01	18.16
Maximum Power Voltage(Vmp/V)	22.14	22.32	22.46	22.57	22.68
Maximum Power Current(Imp/A)	16.74	16.80	16.92	17.06	17.20
Module Efficiency(%)	21.0	21.3	21.6	21.9	22.2
Temperature Coefficient of Isc	+0.04%/°C				
Temperature Coefficient of Voc	-0.23%/°C				
Temperature Coefficient of Pmax	-0.28%/°C				
* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.					