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SOLAR



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ZHEJIANG ERA SOLAR TECHNOLOGY CO.,LTD.
No.888 Huangjiao Road, Huangyan,
Taizhou, Zhejiang, 318020, China

Tel: +86-576-84168161
+86-576-84168706
+86-576-84166969
Fax: +86-576-84166172
Email: solar@era.com.cn
Web: www.erasolar.com.cn



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• STOCK CODE: **002641**

• SOLAR MODULE CATALOGUE



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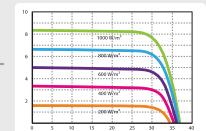
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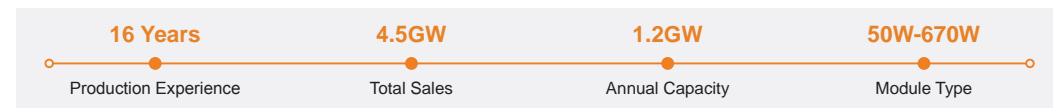
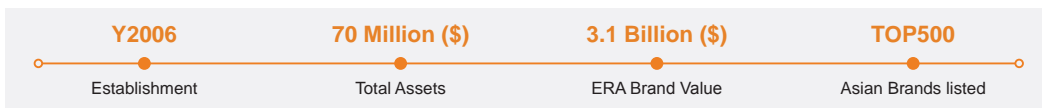




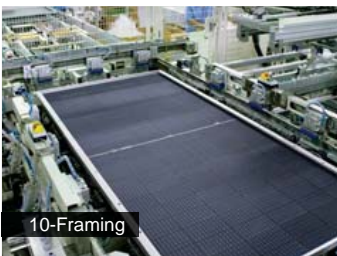
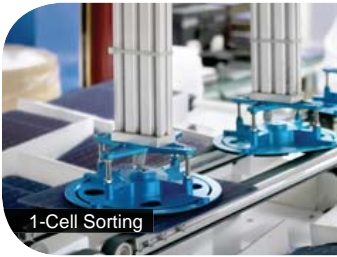
ABOUT ERA SOLAR

Founded in 1983, ERA Group has 13 wholly-owned subsidiaries nationwide. ERA Group went public in 2011, with a brand value of 20 billion Yuan, and was selected into the Top 500 Asian Brands. Relying on ERA Group's strong background and rich resources, ERA solar was established in 2006. For the past 16 years, ERA solar has been committed to the green solar energy field, and has always adhered to the practice and exploration in PV industry.

At present, ERA solar has successfully mass-produced monocrystalline and polycrystalline solar modules with power ranging from 50W to 670W. With advanced automatic production equipment and 1.2GW annual production capacity, we can ensure timely delivery. At present, the company's market covers Germany, Italy, Spain, Norway, France, Austria, Saudi Arabia, Nigeria, Brazil, Yemen and Pakistan, ect.



ERA Production Line



ERA SOLAR International standard certifications





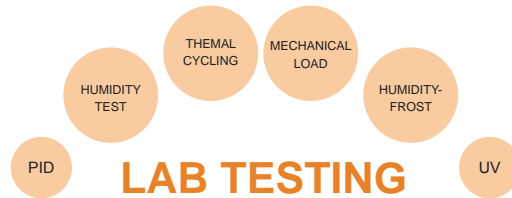
2022 NEW ARRIVAL

210mm Half-Cut 590W to 670W
Ultra-high Power Modules

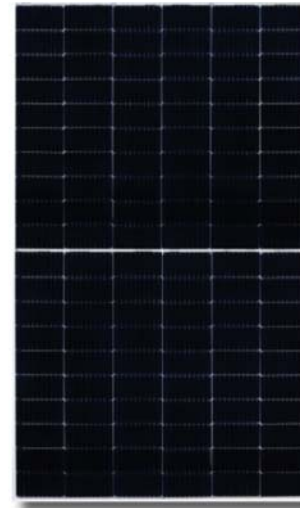


QUALITY

ERA's modules have passed routing test of IEC and have an excellent performance in rigorous third party test.



Eagle Series



Eagle-60HC590-610M



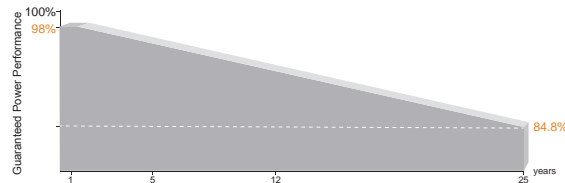
Eagle-66HC650-670M

WARRANTY

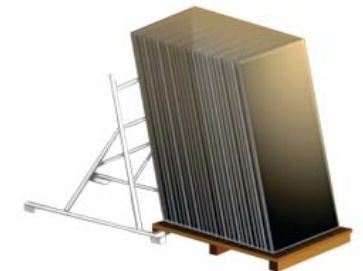
LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

25 Year Linear Power Warranty



0.55% Annual Degradation Over 25 years



Eagle-66HC

Monocrystalline Half-Cut Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
132 cells (6X22); 12 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 670W with module efficiency up to 21.56%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Higher Power Output
The innovative design of low-voltage and higher string power output improves system efficiency, reducing BOS costs and LCOE.

210



WATTS POSITIVE TOLERANCE



12 YEARS PRODUCT WARRANTY



25 YEARS LINEAR POWER WARRANTY



210mm SERIES, 66-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE (STC)

Module type: Eagle-66hc	650M	/	655M	/	660M	/	665M	/	670M
Maximum Power(Wp)	650W		655W		660W		665W		670W
Open circuit Voltage(Voc)	45.35V		45.50V		45.65V		45.80V		45.95V
Short circuit Current(Isc)	18.37A		18.43A		18.50A		18.55A		18.62A
Maximum Power Voltage(Vm)	37.55V		37.70V		37.85V		38.00V		38.15V
Maximum Power Current(Imp)	17.32A		17.38A		17.45A		17.50A		17.57A
Module efficiency	20.92%		21.08%		21.24%		21.40%		21.56%
Maximum Series Fuse	30A								
Watts positive tolerance	0~+3%								
Number of Diode	3								
Standard Test Conditions	1000W/M ² ,25°C,AM1.5								
Maximum System Voltage	1500V/DC								
Temperature-Coefficient Isc	+0.04%/°C								
Temperature-Coefficient Voc	-0.25%/°C								
Temperature-Coefficient Pmpp	-0.34%/°C								
Normal Operating Cell Temperature	-40°C...+85°C								
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)								
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)								

ELECTRICAL PERFORMANCE (NOCT)

Module type: Eagle-66hc	650M	/	655M	/	660M	/	665M	/	670M
Maximum Power(Wp)	491W		495W		499W		503W		507W
Open circuit Voltage(Voc)	42.40V		45.50V		42.70V		42.85V		43.00V
Short circuit Current(Isc)	14.60A		14.65A		14.70A		14.75A		14.80A
Maximum Power Voltage(Vm)	35.45V		35.60V		35.75V		35.90V		36.05V
Maximum Power Current(Imp)	13.85A		13.91A		13.97A		14.03A		14.09A

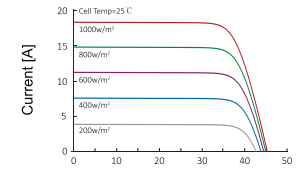
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	white
Cell (quantity / material / dimensions)	132(6X11X2) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm ² , 300mm in length,length can be customized
Module Dimensions (L / W / H)	2384x1303x35mm
Module Weight	33.9kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

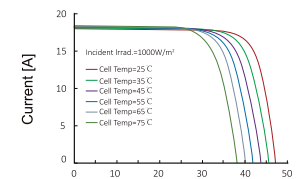
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	1105	1320x1120x2515	527

CURRENT-VOLTAGE CURVES:

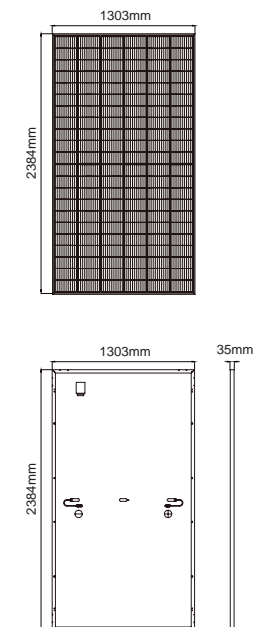


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:



Eagle-60HC

Monocrystalline Half-Cut Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
120 cells (6X20); 12 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 610W with module efficiency up to 21.55%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Higher Power Output
The innovative design of low-voltage and higher string power output improves system efficiency, reducing BOS costs and LCOE.

210



WATTS POSITIVE TOLERANCE



12 YEARS PRODUCT WARRANTY



25 YEARS LINEAR POWER WARRANTY



210mm SERIES, 60-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE (STC)

Module type: Eagle-60hc	590M / 595M / 600M / 605M / 610M
Maximum Power(Wp)	590W 595W 600W 605W 610W
Open circuit Voltage(Voc)	41.20V 41.35V 41.50V 41.65V 41.80V
Short circuit Current(Isc)	18.36A 18.43A 18.50A 18.57A 18.63A
Maximum Power Voltage(Vm)	34.10V 34.25V 34.40V 34.55V 34.70V
Maximum Power Current(Imp)	17.31A 17.38A 17.45A 17.52A 17.58A
Module efficiency	20.84% 21.02% 21.20% 21.38% 21.55%
Maximum Series Fuse	30A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M ² ,25°C,AM1.5
Maximum System Voltage	1500V/DC
Temperature-Coefficient Isc	+0.04%/°C
Temperature-Coefficient Voc	-0.25%/°C
Temperature-Coefficient Pmpp	-0.34%/°C
Normal Operating Cell Temperature	-40°C...+85°C
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)

ELECTRICAL PERFORMANCE (NOCT)

Module type: Eagle-66hc	590M / 595M / 600M / 605M / 610M
Maximum Power(Wp)	446W 450W 454W 458W 462W
Open circuit Voltage(Voc)	38.60V 38.80V 39.00V 39.20V 39.40V
Short circuit Current(Isc)	14.60A 14.65A 14.70A 14.75A 14.80A
Maximum Power Voltage(Vm)	32.20V 32.35V 32.50V 32.65V 32.80V
Maximum Power Current(Imp)	13.82A 13.91A 13.97A 14.03A 14.09A

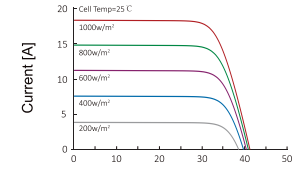
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	white
Cell (quantity / material / dimensions)	120(6X10X2) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm ² , 300mm in length,length can be customized
Module Dimensions (L / W / H)	2172x1303x35mm
Module Weight	30.9kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

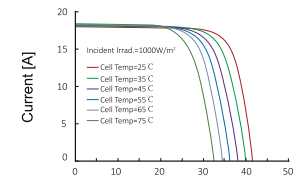
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	973	1330x1120x2305	527

CURRENT-VOLTAGE CURVES:

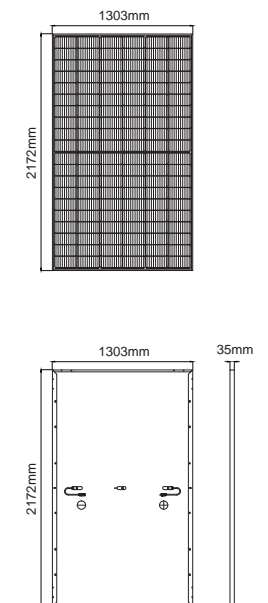


Module characteristics at constant module temperature of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:





ERA-72HCB

Monocrystalline Half-Cut Bifacial Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
144 cells (6X24); 10/11 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 550W with module efficiency up to 21.5%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

182



+ WATTS POSITIVE TOLERANCE

12 YEARS PRODUCT WARRANTY

25 YEARS LINEAR POWER WARRANTY

BIFACIAL, 182mm SERIES, 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type:	ESPHSC	525M	/	530M	/	535M	/	540M	/	545M	/	550M
Maximum Power(Wp)		525W		530W		535W		540W		545W		550W
Open circuit Voltage(Voc)		49.05V		49.20V		49.35V		49.50V		49.65V		49.80V
Short circuit Current(Isc)		13.65A		13.71A		13.78A		13.85A		13.92A		13.98A
Maximum Power Voltage(Vm)		41.20V		41.35V		41.50V		41.65V		41.80V		41.95V
Maximum Power Current(Imp)		12.75A		12.82A		12.90A		12.97A		13.04A		13.12A
Module efficiency		20.3%		20.5%		20.7%		20.9%		21.1%		21.3%
Maximum Series Fuse		25A										
Watts positive tolerance		0~+3%										
Number of Diode		3										
Standard Test Conditions		1000W/M ² , 25°C, AM1.5										
Maximum System Voltage		1500V/DC										
Temperature-Coefficient Isc		+0.048%/°C										
Temperature-Coefficient Voc		-0.270%/°C										
Temperature-Coefficient Pmpp		-0.350%/°C										
Normal Operating Cell Temperature		-40°C...+85°C										
Load Capacity for the cover of the module (glass)		5400Pa(IEC61215)(snow)										
Load Capacity for the front & back of the module		2400Pa(IEC61215)(wind)										

ELECTRICAL PERFORMANCE (NOCT)

Module type:	ESPHSC	525M	/	530M	/	535M	/	540M	/	545M	/	550M
Maximum Power(Wp)		397W		400.5W		404.5W		408.5W		412W		416W
Open circuit Voltage(Voc)		46.05V		46.20V		46.35V		46.50V		46.65V		46.8V
Short circuit Current(Isc)		10.85A		10.90A		10.95A		11.00A		11.07A		11.11A
Maximum Power Voltage(Vm)		38.90V		39.05V		39.20V		39.35V		39.50V		39.65V
Maximum Power Current(Imp)		10.20A		10.26A		10.32A		10.38A		10.43A		10.51A

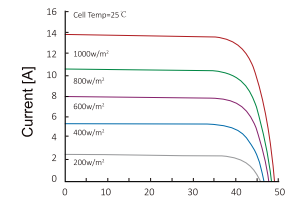
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	transparent
Cell (quantity / material / dimensions)	144(6x24) / monocrystalline silicon, bifacial
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm ² , 300mm in length, length can be customized
Module Dimensions (L / W / H)	2279x1134x35mm
Module Weight	27.2kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

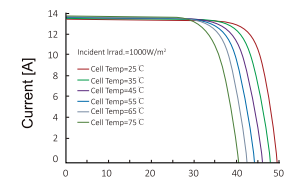
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	858	2285x1130x1260	620

CURRENT-VOLTAGE CURVES:

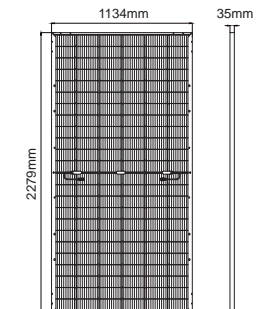
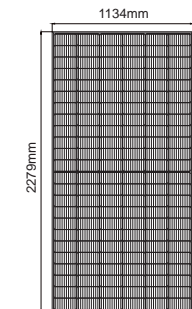


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:





ERA-72HC

Monocrystalline Half-Cut Solar Module

KEY FEATURES

MBB Half-Cut Solar Cell:
144 cells (6X24); 10/11 busbar solar cell.

Higher Module Conversion Efficiency:
Higher module output up to 550W with module efficiency up to 21.5%.

Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.

Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.

Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

182

+ WATTS POSITIVE TOLERANCE

12 YEARS PRODUCT WARRANTY

25 YEARS LINEAR POWER WARRANTY

182mm SERIES, 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ESPHSC	525M / 530M / 535M / 540M / 545M / 550M
Maximum Power(Wp)	525W 530W 535W 540W 545W 550W
Open circuit Voltage(Voc)	49.05V 49.20V 49.35V 49.50V 49.65V 49.80V
Short circuit Current(Isc)	13.65A 13.71A 13.78A 13.85A 13.92A 13.98A
Maximum Power Voltage(Vm)	41.20V 41.35V 41.50V 41.65V 41.80V 41.95V
Maximum Power Current(Imp)	12.75A 12.82A 12.90A 12.97A 13.04A 13.12A
Module efficiency	20.3% 20.5% 20.7% 20.9% 21.1% 21.3%
Maximum Series Fuse	25A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M ² , 25°C, AM1.5
Maximum System Voltage	1500V/DC
Temperature-Coefficient Isc	+0.048%/°C
Temperature-Coefficient Voc	-0.270%/°C
Temperature-Coefficient Pmpp	-0.350%/°C
Normal Operating Cell Temperature	-40°C...+85°C
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	525M / 530M / 535M / 540M / 545M / 550M
Maximum Power(Wp)	397W 400.5W 404.5W 408.5W 412W 416W
Open circuit Voltage(Voc)	46.05V 46.20V 46.35V 46.50V 46.65V 46.8V
Short circuit Current(Isc)	10.85A 10.90A 10.95A 11.00A 11.07A 11.11A
Maximum Power Voltage(Vm)	38.90V 39.05V 39.20V 39.35V 39.50V 39.65V
Maximum Power Current(Imp)	10.20A 10.26A 10.32A 10.38A 10.43A 10.51A

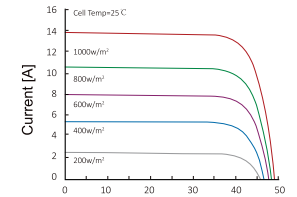
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in white
Cell (quantity / material / dimensions)	144(6x24) / monocrystalline silicon, bifacial
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm ² , 300mm in length, length can be customized
Module Dimensions (L / W / H)	2279x1134x35mm
Module Weight	27.2kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

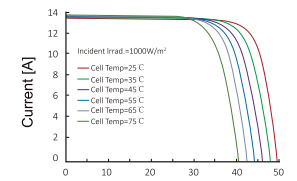
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	858	2285x1130x1260	620

CURRENT-VOLTAGE CURVES:

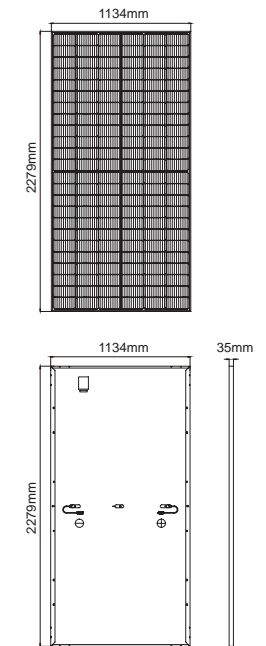


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:





ERA-60HC

Monocrystalline Half-Cut Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
120 cells (6X10X2); 10/11 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 455W with module efficiency up to 21%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

182



WATTS POSITIVE TOLERANCE



YEARS PRODUCT WARRANTY



YEARS LINEAR POWER WARRANTY

182mm SERIES, 60-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ESPHSC	435M / 440M / 445M / 450M / 455M
Maximum Power(Wp)	435W 440W 445W 450W 455W
Open circuit Voltage(Voc)	40.65V 40.85V 41.05V 41.25V 41.45V
Short circuit Current(Isc)	13.65A 13.72A 13.78A 13.85A 13.92A
Maximum Power Voltage(Vm)	34.10V 34.30V 34.50V 34.70V 34.90V
Maximum Power Current(Imp)	12.76A 12.83A 12.90A 12.97A 13.04A
Module efficiency	20.1% 20.3% 20.5% 20.8% 21%
Maximum Series Fuse	25A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M ² , 25°C, AM1.5
Maximum System Voltage	1500V/DC
Temperature-Coefficient Isc	+0.048%/°C
Temperature-Coefficient Voc	-0.270%/°C
Temperature-Coefficient Pmpp	-0.350%/°C
Normal Operating Cell Temperature	-40°C...+85°C
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	435M / 440M / 445M / 450M / 455M
Maximum Power(Wp)	329W 332.5W 336.5W 340W 344W
Open circuit Voltage(Voc)	38.20V 38.40V 38.60V 38.80V 39.00V
Short circuit Current(Isc)	10.85A 10.90A 10.95A 11.00A 11.07A
Maximum Power Voltage(Vm)	32.20V 32.40V 32.60V 32.80V 33.00V
Maximum Power Current(Imp)	10.21A 10.26A 10.32A 10.38A 10.43A

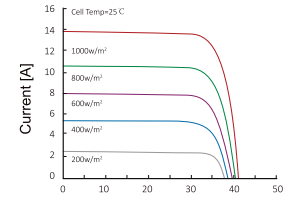
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in white
Cell (quantity / material / dimensions)	120(6x10x2) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm ² , 300mm in length,length can be customized
Module Dimensions (L / W / H)	1909x1133x35mm
Module Weight	25kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

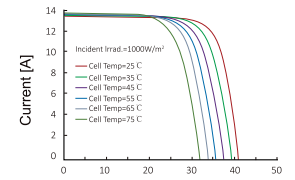
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	790	1950x1130x1260	744

CURRENT-VOLTAGE CURVES:

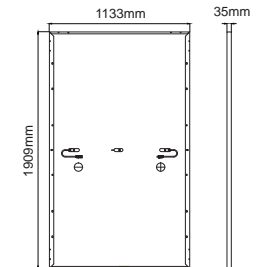
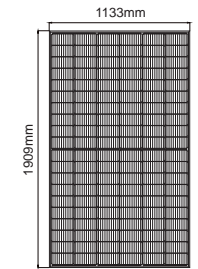


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:





ERA-54HC

Monocrystalline Half-Cut Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
108 cells (6X9X2); 10/11 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 410W with module efficiency up to 21%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

182



WATTS POSITIVE TOLERANCE



YEARS PRODUCT WARRANTY



YEARS LINEAR POWER WARRANTY

182mm SERIES, 54-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ESPHSC	390M / 395M / 400M / 405M / 410M
Maximum Power(Wp)	390W 395W 400W 405W 410W
Open circuit Voltage(Voc)	36.50V 36.70V 36.95V 37.15V 37.35V
Short circuit Current(Isc)	13.65A 13.72A 13.78A 13.85A 13.92A
Maximum Power Voltage(Vm)	30.60V 30.80V 31.05V 31.25V 31.45V
Maximum Power Current(Imp)	12.76A 12.83A 12.90A 12.97A 13.04A
Module efficiency	19.9% 20.2% 20.5% 20.7% 21%
Maximum Series Fuse	25A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M ² , 25°C, AM1.5
Maximum System Voltage	1500V/DC
Temperature-Coefficient Isc	+0.048%/°C
Temperature-Coefficient Voc	-0.270%/°C
Temperature-Coefficient Pmpp	-0.350%/°C
Normal Operating Cell Temperature	-40°C...+85°C
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	390M / 395M / 400M / 405M / 410M
Maximum Power(Wp)	295W 298.5W 302.5W 306W 310W
Open circuit Voltage(Voc)	34.30V 34.50V 34.70V 34.90V 35.10V
Short circuit Current(Isc)	10.85A 10.90A 10.95A 11.00A 11.07A
Maximum Power Voltage(Vm)	28.90V 29.10V 29.30V 29.50V 29.70V
Maximum Power Current(Imp)	10.21A 10.26A 10.32A 10.38A 10.43A

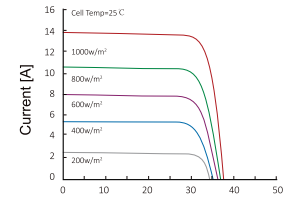
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in white
Cell (quantity / material / dimensions)	108(6x9x2) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm ² , 300mm in length,length can be customized
Module Dimensions (L / W / H)	1722x1134x35/30mm
Module Weight	22.5kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

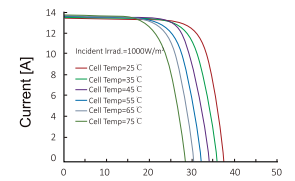
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	713	1770x1130x1260	806 (35mm)
	36	720	1770x1130x1260	936 (30mm)

CURRENT-VOLTAGE CURVES:

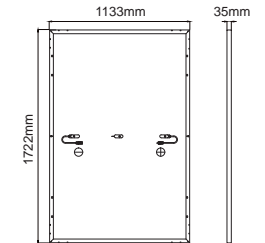
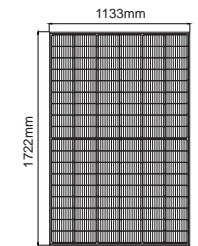


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:



ERA-54HC(BK)

Monocrystalline Half-Cut Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
108 cells (6X9X2); 10/11 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 410W with module efficiency up to 21%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



WATTS POSITIVE TOLERANCE



12 YEARS PRODUCT WARRANTY



25 YEARS LINEAR POWER WARRANTY

182

182mm SERIES, 54-CELL HALF-CUT SERIES ALL BLACK

ELECTRICAL PERFORMANCE

Module type: ESPHSC	390M / 395M / 400M / 405M / 410M
Maximum Power(Wp)	390W 395W 400W 405W 410W
Open circuit Voltage(Voc)	36.50V 36.70V 36.95V 37.15V 37.35V
Short circuit Current(Isc)	13.65A 13.72A 13.78A 13.85A 13.92A
Maximum Power Voltage(Vm)	30.60V 30.80V 31.05V 31.25V 31.45V
Maximum Power Current(Imp)	12.76A 12.83A 12.90A 12.97A 13.04A
Module efficiency	19.9% 20.2% 20.5% 20.7% 21%
Maximum Series Fuse	25A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M ² , 25°C, AM1.5
Maximum System Voltage	1500V/DC
Temperature-Coefficient Isc	+0.048%/°C
Temperature-Coefficient Voc	-0.270%/°C
Temperature-Coefficient Pmpp	-0.350%/°C
Normal Operating Cell Temperature	-40°C...+85°C
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	390M / 395M / 400M / 405M / 410M
Maximum Power(Wp)	295W 298.5W 302.5W 306W 310W
Open circuit Voltage(Voc)	34.30V 34.50V 34.70V 34.90V 35.10V
Short circuit Current(Isc)	10.85A 10.90A 10.95A 11.00A 11.07A
Maximum Power Voltage(Vm)	28.90V 29.10V 29.30V 29.50V 29.70V
Maximum Power Current(Imp)	10.21A 10.26A 10.32A 10.38A 10.43A

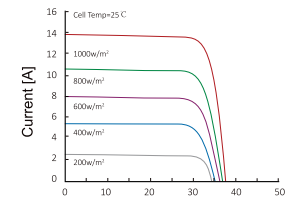
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in black
Cell (quantity / material / dimensions)	108(6x9x2) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / black
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm ² , 300mm in length,length can be customized
Module Dimensions (L / W / H)	1722x1134x35/30mm
Module Weight	22.5kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

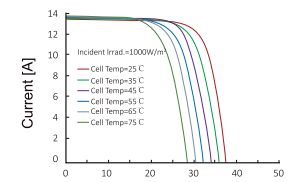
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
40HQ	31	713	1770x1130x1260	806 (35mm)
	36	720	1770x1130x1260	936 (30mm)

CURRENT-VOLTAGE CURVES:

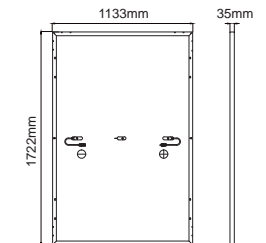
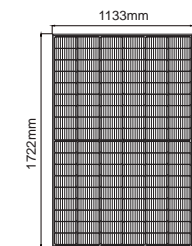


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:





ESPHSC(Bifacial)

Monocrystalline Half-Cut Bifacial Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
144 cells (6X24); 9 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 455W with module efficiency up to 20.9%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

166



WATTS POSITIVE TOLERANCE



YEARS PRODUCT WARRANTY



YEARS LINEAR POWER WARRANTY

BIFACIAL, 166mm SERIES, 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ESPHSC	440M / 445M / 450M / 455M
Maximum Power(Wp)	440W 445W 450W 455W
Open circuit Voltage(Voc)	48.90V 49.10V 49.30V 49.5V
Short circuit Current(Isc)	11.46A 11.53A 11.60A 11.66A
Maximum Power Voltage(Vm)	41.10V 41.3V 41.50V 41.7V
Maximum Power Current(Imp)	10.71A 10.78A 10.85A 10.92A
Module efficiency	20.24% 20.47% 20.70% 20.90%
Maximum Series Fuse	20A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M², 25°C, AM1.5
Maximum System Voltage	1000/1500V/DC
Temperature-Coefficient Isc	+0.049%/°C
Temperature-Coefficient Voc	-0.271%/°C
Temperature-Coefficient Pmpp	-0.352%/°C
Normal Operating Cell Temperature	-40°C...+85°C
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	440M / 445M / 450M / 455M
Maximum Power(Wp)	440W 445W 450W 455W
Open circuit Voltage(Voc)	48.90V 49.10V 49.30V 49.5V
Short circuit Current(Isc)	11.46A 11.53A 11.60A 11.66A
Maximum Power Voltage(Vm)	41.10V 41.3V 41.50V 41.7V
Maximum Power Current(Imp)	10.71A 10.78A 10.85A 10.92A

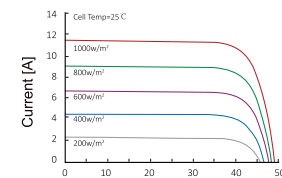
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	transparent
Cell (quantity / material / dimensions)	144(6x24) / monocrystalline silicon, bifacial
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm², 300mm in length, length can be customized
Module Dimensions (L / W / H)	2094x1038x35mm
Module Weight	24kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

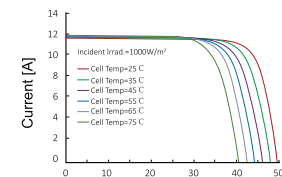
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
20GP	58(31+27)	1422	2150x1130x2220	290
40HQ	31	735	2150x1130x1170	726
	35	855	2150x1130x1345	

CURRENT-VOLTAGE CURVES:

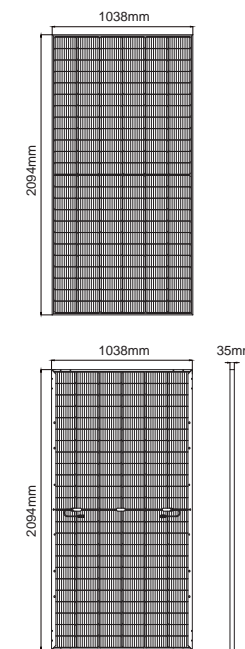


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:





ESPHSC

Monocrystalline Half-Cut Solar Module

KEY FEATURES



MBB Half-Cut Solar Cell:
144 cells (6X24); 9 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 455W with module efficiency up to 20.9%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

166



WATTS
POSITIVE
TOLERANCE



YEARS
PRODUCT
WARRANTY



YEARS LINEAR
POWER WARRANTY

166mm SERIES, 72-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ESPHSC	430M / 435M / 440M / 445M / 450M / 455M
Maximum Power(Wp)	430W 435W 440W 445W 450W 455W
Open circuit Voltage(Voc)	48.50V 48.70V 48.90V 49.10V 49.30V 49.5V
Short circuit Current(Isc)	11.31A 11.39A 11.46A 11.53A 11.60A 11.66A
Maximum Power Voltage(Vm)	40.70V 40.90V 41.10V 41.30V 41.50V 41.70V
Maximum Power Current(Imp)	10.57A 10.64A 10.71A 10.78A 10.85A 10.92A
Module efficiency	19.78% 20.01% 20.24% 20.47% 20.70% 20.90%
Maximum Series Fuse	20A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M ² , 25°C, AM1.5
Maximum System Voltage	1000/1500V/DC
Temperature-Coefficient Isc	+0.049%/°C
Temperature-Coefficient Voc	-0.271%/°C
Temperature-Coefficient Pmpp	-0.352%/°C
Normal Operating Cell Temperature	-40°C...+85°C
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	430M / 435M / 440M / 445M / 450M / 455M
Maximum Power(Wp)	325W 329W 332.5W 336.5W 340W 344W
Open circuit Voltage(Voc)	45.55V 44.75V 45.95V 46.15V 46.35V 46.55V
Short circuit Current(Isc)	8.99A 9.06A 9.11A 9.17A 9.22A 9.27A
Maximum Power Voltage(Vm)	38.40V 38.60V 38.80V 39.00V 39.20V 39.40V
Maximum Power Current(Imp)	8.46A 8.51A 8.57A 8.62A 8.68A 8.74A

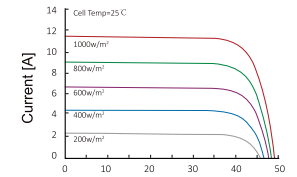
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in white
Cell (quantity / material / dimensions)	144(6x24) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm ² , 300mm in length, length can be customized
Module Dimensions (L / W / H)	2094x1038x35mm
Module Weight	24kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

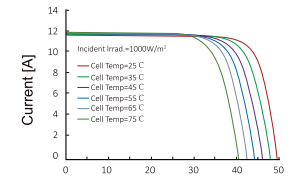
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
20GP	58(31+27)	1422	2150x1130x2220	290
40HQ	31	735	2150x1130x1170	726
	35	855	2150x1130x1345	

CURRENT-VOLTAGE CURVES:

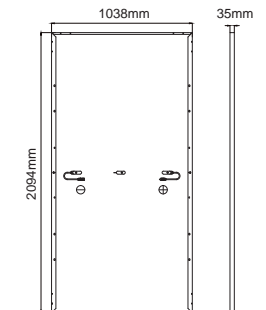
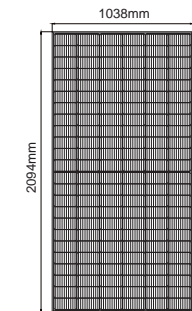


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:





ESPHSC

Monocrystalline Half-Cut Solar Module

KEY FEATURES

MBB Half-Cut Solar Cell:
120 cells (6X20); 9 busbar solar cell.

Higher Module Conversion Efficiency:
Higher module output up to 380W with module efficiency up to 20.85%.

Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.

Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.

Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

166

+ WATTS POSITIVE TOLERANCE

12 YEARS PRODUCT WARRANTY

25 YEARS LINEAR POWER WARRANTY



166mm SERIES, 60-CELL HALF-CUT SERIES

ELECTRICAL PERFORMANCE

Module type: ESPHSC	355M	360M	365M	370M	375M	380M
Maximum Power(Wp)	355W	360W	365W	370W	375W	380W
Open circuit Voltage(Voc)	40.30V	40.50V	40.70V	40.90V	41.10V	41.30V
Short circuit Current(Isc)	11.25A	11.35A	11.43A	11.52A	11.60A	11.69A
Maximum Power Voltage(Vm)	33.80V	34.00V	34.20V	34.40V	34.60V	34.80V
Maximum Power Current(Imp)	10.51A	10.59A	10.68A	10.75A	10.84A	10.92A
Module efficiency	19.48%	19.76%	20.03%	20.31%	20.58%	20.85%
Maximum Series Fuse	20A					
Watts positive tolerance	0~+3%					
Number of Diode	3					
Standard Test Conditions	1000W/M², 25°C, AM1.5					
Maximum System Voltage	1000/1500V/DC					
Temperature-Coefficient Isc	+0.049%/°C					
Temperature-Coefficient Voc	-0.271%/°C					
Temperature-Coefficient Pmpp	-0.352%/°C					
Normal Operating Cell Temperature	-40°C...+85°C					
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)					
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)					

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	355M	360M	365M	370M	375M	380M
Maximum Power(Wp)	268.5W	272W	276W	279.5W	283.5W	287.5W
Open circuit Voltage(Voc)	37.85V	38.05V	38.25V	38.45V	38.65V	38.85V
Short circuit Current(Isc)	8.94A	9.02A	9.09A	9.16A	9.22A	9.27A
Maximum Power Voltage(Vm)	31.90V	32.10V	32.30V	32.50V	32.70V	32.90V
Maximum Power Current(Imp)	8.41A	8.47A	8.54A	8.60A	8.67A	8.74A

MECHANICAL CHARACTERISTICS

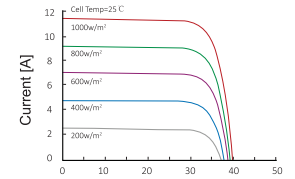
Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in white
Cell (quantity / material / dimensions)	120(6x20) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / silver
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm², 300mm in length,length can be customized
Module Dimensions (L / W / H)	1755x1038x35mm
Module Weight	20kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

PACKING

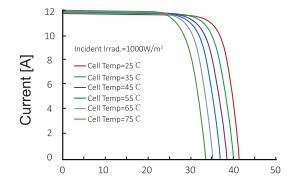
Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
20GP	58(31+27)	1190	1800x1130x2205	348
40HQ	31	635	1800x1130x1170	858
	35	715	1800x1130x1330	



CURRENT-VOLTAGE CURVES:

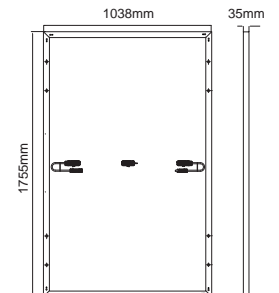
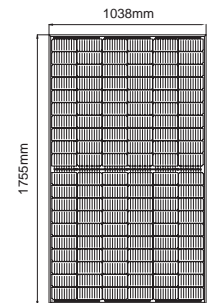


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:



ESPHSC(BK)

Monocrystalline Half-Cut Solar Module-Black

KEY FEATURES



MBB Half-Cut Solar Cell:
144 cells (6X24); 9 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 445W with module efficiency up to 20.47%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

166



WATTS POSITIVE TOLERANCE



YEARS PRODUCT WARRANTY



YEARS LINEAR POWER WARRANTY

166mm SERIES, 72-CELL HALF-CUT SERIES ALL BLACK

ELECTRICAL PERFORMANCE

Module type: ESPHSC	430M / 435M / 440M / 445M
Maximum Power(Wp)	430W 435W 440W 445W
Open circuit Voltage(Voc)	48.50V 48.70V 48.90V 49.10V
Short circuit Current(Isc)	11.31A 11.39A 11.46A 11.53A
Maximum Power Voltage(Vm)	40.70V 40.90V 41.10V 41.30V
Maximum Power Current(Imp)	10.57A 10.64A 10.71A 10.78A
Module efficiency	19.78% 20.01% 20.24% 20.47%
Maximum Series Fuse	20A
Watts positive tolerance	0~+3%
Number of Diode	3
Standard Test Conditions	1000W/M², 25°C, AM1.5
Maximum System Voltage	1000/1500V/DC
Temperature-Coefficient Isc	+0.049%/°C
Temperature-Coefficient Voc	-0.271%/°C
Temperature-Coefficient Pmpp	-0.352%/°C
Normal Operating Cell Temperature	-40°C...+85°C
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	430M / 435M / 440M / 445M
Maximum Power(Wp)	325W 329W 332.5W 336.5W
Open circuit Voltage(Voc)	45.55V 44.75V 45.95V 46.15V
Short circuit Current(Isc)	8.99A 9.06A 9.11A 9.17A
Maximum Power Voltage(Vm)	38.40V 38.60V 38.80V 39.00V
Maximum Power Current(Imp)	8.46A 8.51A 8.57A 8.62A

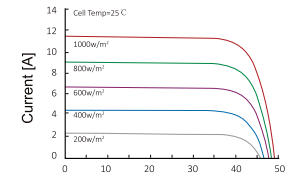
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in Black-White
Cell (quantity / material / dimensions)	144(6x24) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / black
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm², 300mm in length, length can be customized
Module Dimensions (L / W / H)	2094x1038x35mm
Module Weight	24kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

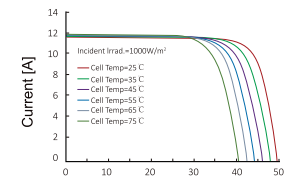
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
20GP	58(31+27)	1422	2150x1130x2220	290
40HQ	31	735	2150x1130x1170	726
	35	855	2150x1130x1345	

CURRENT-VOLTAGE CURVES:

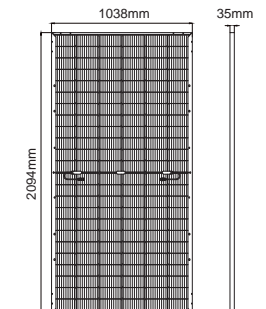
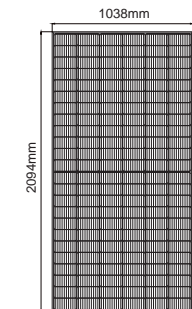


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:



ESPHSC(BK)

Monocrystalline Half-Cut Solar Module-Black

KEY FEATURES



MBB Half-Cut Solar Cell:
120 cells (6X20); 9 busbar solar cell.



Higher Module Conversion Efficiency:
Higher module output up to 370W with module efficiency up to 20.31%.



Low-light Performance:
Advanced glass and surface texturing allow for excellent performance in low-light environments.



Light-weight design
Light-weight design using transparent backsheet for easy installation and low BOS cost.



Higher Power Output
Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.

166



WATTS POSITIVE TOLERANCE



12 YEARS PRODUCT WARRANTY



25 YEARS LINEAR POWER WARRANTY

166mm SERIES, 60-CELL HALF-CUT SERIES ALL BLACK

ELECTRICAL PERFORMANCE

Module type: ESPHSC	355M	360M	365M	370M	375M
Maximum Power(Wp)	355W	360W	365W	370W	375W
Open circuit Voltage(Voc)	40.30V	40.50V	40.70V	40.90V	41.10V
Short circuit Current(Isc)	11.25A	11.35A	11.43A	11.52A	11.60A
Maximum Power Voltage(Vm)	33.80V	34.00V	34.20V	34.40V	34.60V
Maximum Power Current(Imp)	10.51A	10.59A	10.68A	10.75A	10.84A
Module efficiency	19.48%	19.76%	20.03%	20.31%	20.58%
Maximum Series Fuse	20A				
Watts positive tolerance	0~+3%				
Number of Diode	3				
Standard Test Conditions	1000W/M², 25°C, AM1.5				
Maximum System Voltage	1000/1500V/DC				
Temperature-Coefficient Isc	+0.049%/°C				
Temperature-Coefficient Voc	-0.271%/°C				
Temperature-Coefficient Pmpp	-0.352%/°C				
Normal Operating Cell Temperature	-40°C...+85°C				
Load Capacity for the cover of the module (glass)	5400Pa(IEC61215)(snow)				
Load Capacity for the front & back of the module	2400Pa(IEC61215)(wind)				

ELECTRICAL PERFORMANCE (NOCT)

Module type: ESPHSC	355M	360M	365M	370M	375M
Maximum Power(Wp)	268.5W	272W	276W	279.5W	283.5W
Open circuit Voltage(Voc)	37.85V	38.05V	38.25V	38.45V	38.65V
Short circuit Current(Isc)	8.94A	9.02A	9.09A	9.16A	9.22A
Maximum Power Voltage(Vm)	31.90V	32.10V	32.30V	32.50V	32.70V
Maximum Power Current(Imp)	8.41A	8.47A	8.54A	8.60A	8.67A

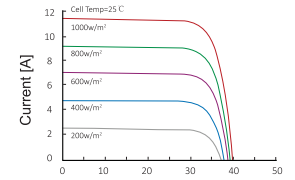
MECHANICAL CHARACTERISTICS

Front cover (material / thickness)	low-iron tempered glass / 3.2mm
Backsheet (color)	TPT in Black-White
Cell (quantity / material / dimensions)	120(6x20) / monocrystalline silicon
Frame (material / color)	aluminum hollow-chamber frame on each side anodized aluminum alloy / black
Junction box (protection degree)	≥IP68
Cables & Plug connectors	4mm², 300mm in length,length can be customized
Module Dimensions (L / W / H)	1755x1038x35mm
Module Weight	20kg
Application class	Class A
Electrical protection class	Class II
Fire safety class	Class C

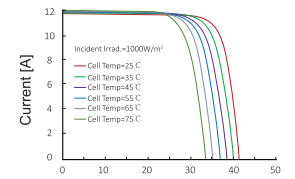
PACKING

Container Size	Units/Pallet (PCS)	Weight/Pallet (KG)	Pallet Measurement (mm)	Units/Container (PCS)
20GP	58(31+27)	1190	1800x1130x2205	348
40HQ	31	635	1800x1130x1170	858
	35	715	1800x1130x1330	

CURRENT-VOLTAGE CURVES:

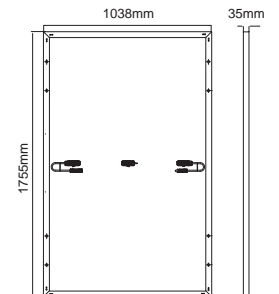
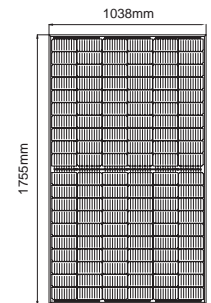


Module characteristics at constant module temperatures of 25°C and variable levels of irradiance



Module characteristics at variable module temperatures and constant module irradiance of 1.000 W/m²

MODULE DIAGRAM:



ERA SOLAR

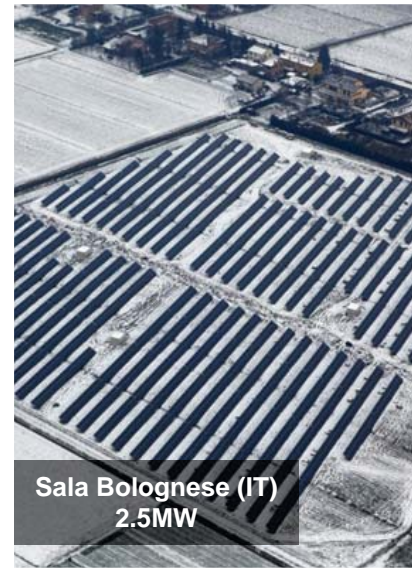
Small Sized Solar Module

166 Monocrystalline Solar Module / 50W-200W

Module type	Dimensions (mm)	Weight (kg)	Cell Type (mm)	Number of Cells	Maximum Power (Wp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Maximum Power Voltage (Vm)	Maximum Power Current (Im)	Maximum Series Fuse	Number of Diodes	Cable Type and Length	Standard Test Conditions
ESPSC050	775x368x30	3.00	39x166	36(2x18)	50W	23.60V	2.70A	19.85V	2.52A	10A	1	without cable	1000W/M ² , 25C, AM1.5
ESPSC080	820x545x30	7.00	63x166	36(3x12)	80W	23.60V	4.32A	19.85V	4.03A	10A	1	without cable	1000W/M ² , 25C, AM1.5
ESPSC100	965x545x30	8.00	75x166	36(3x12)	100W	24.25V	5.25A	20.40V	4.90A	10A	1	4mm ² 90cm	1000W/M ² , 25C, AM1.5
ESPSC120	1205x545x30	9.50	95x166	36(3x12)	120W	23.60V	6.50A	19.85V	6.05A	10A	1	4mm ² 90cm	1000W/M ² , 25C, AM1.5
ESPSC150	1500x545x30	10.50	119x166	36(3x12)	150W	23.60V	8.10A	19.85V	7.56A	15A	1	4mm ² 90cm	1000W/M ² , 25C, AM1.5
ESPSC200	1425x705x30	11.50	75x166	72(4x18)	200W	48.50V	5.25A	41.60V	4.90A	10A	2	4mm ² 90cm	1000W/M ² , 25C, AM1.5

182 Monocrystalline Solar Module 120W / 240W

Module type	Dimensions (mm)	Weight (kg)	Cell Type (mm)	Number of Cells	Maximum Power (Wp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)	Maximum Power Voltage (Vm)	Maximum Power Current (Im)	Maximum Series Fuse	Number of Diodes	Cable Type and Length	Standard Test Conditions
ESPSC120	1060x592x30	8.50	83x182	36(3x12)	120W	24.20V	6.30A	20.35V	5.90A	10A	1	4mm ² 90cm	1000W/M ² , 25C, AM1.5
ESPSC240	1568x770x30	12.50	83x182	72(4x18)	240W	48.40V	6.30A	40.70V	5.90A	10A	2	4mm ² 90cm	1000W/M ² , 25C, AM1.5



Sala Bolognese (IT)
2.5MW



Teresina (BRA)

1MW



Taizhou (CHN)
4.4MW



Bahia (BRA)

100KW



Burgos (ESP)

2.5MW



Pattaya (THAI)

8MW



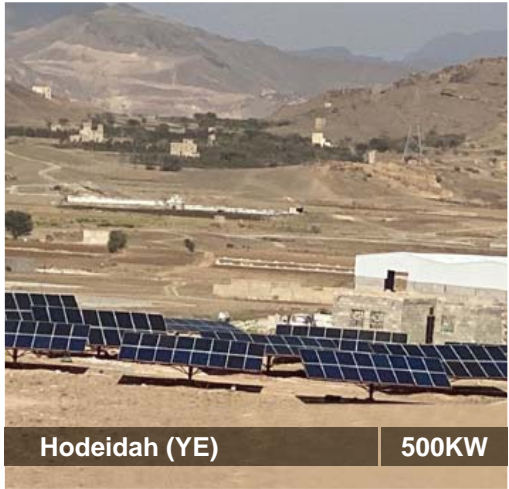
Madrid (ESP)

2MW





**Manaus(BRA)
2MW**



Hodeidah (YE) 500KW



Parelhas (BRA) 230KW



South Bohemia (CZE) 500KW



Casablanca (MAR) 60KW



Hamburg (DE) 240KW



Teresina (BR) 274KW