More
+Power
Less Expense

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SUNMASTER

SOLAR PANEL

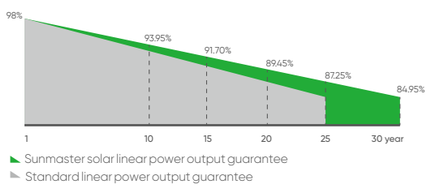
CONTENT

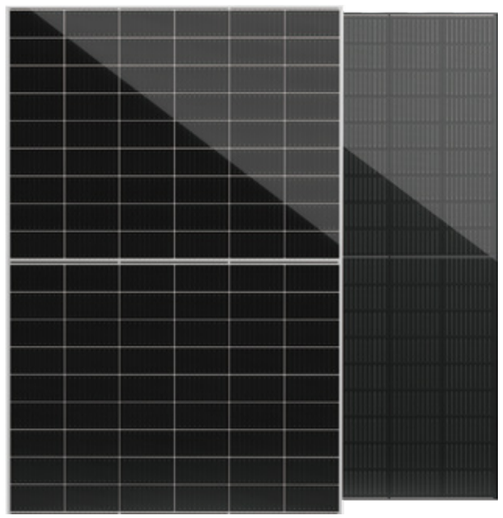
SunMaster 4

SM400-415W(108)

182mm Cells Mono Half-cut Technology

Quality Guarantee





Standard All Black

400-415W

-0.55% power attenuation

30years Power warranty

Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 9001-

2015/Quality management system

ISO 14001-

2015/Standards for environmental management system

ISO 45001-

2018/International standards for occupational health & safety

Key Features

Optimal Process Design
166mm+9BB+Half-cut, higher power output

Select Grade A Crystalline Silicon Solar Cells
Grade A crystalline silicon solar cells make high-power output with cost-effective

Stable Generation Performance
Power attenuation:first year ≤2%, 0.55% per year from 2-25

Process Upgraded
Lower risk of hot spot and stronger anti-PID ability

Higher Power Gains and Lower Losses
Excellent low irradiance performance and low shadow loss

Strong Environmental Adaptability and Great Durability
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa)

Mechanical Characteristic

Cell type	Monocrystalline PERC 182*91mm
Number of cells	108(6x18)
Module dimensions	1722x1134x35mm (67.80x44.65x1.38inches)
Weight	20.0kg (44.4lbs)
Front cover	3.2mm(0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	≥IP68 & UL
Cable	4mm² (0.006inches²), Portrait: 300mm (11.81inches); Landscape: 1200mm (47.24inches)
Connector	MC4 or MC4 compatible

Temperature Characteristics

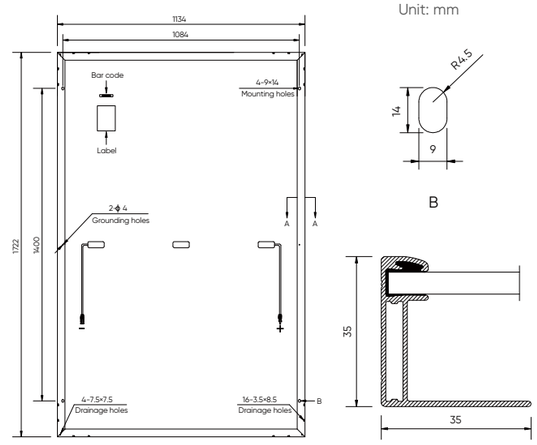
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of Pmax	-0.36% /°C
Temperature Coefficients of Voc	-0.28% /°C
Temperature Coefficients of Isc	0.05% /°C

Packaging

Standard packaging	36pcs/pallet
Module quantity per 40'container	959pcs(HQ)

Engineering Drawings

Unit: mm



Rear View Section A-A

Specifications in this datasheet are subject to change without prior notice.

Electrical Characteristics at STC

Maximum Power (Pmax)	400W	405W	410W	415W
Open Circuit Voltage (Voc)	37.2V	37.4V	37.6V	37.8V
Short Circuit Current (Isc)	13.7A	13.76A	13.82A	13.88A
Voltage at Maximum Power (Vmp)	31.0V	31.2V	31.4V	31.6V
Current at Maximum Power (Imp)	12.91A	12.99A	13.06A	13.14A
Module Efficiency(%)	20.49	20.74	21.00	21.25
Operating Temperature	-40°C to +85°C			
Maximum System Voltage	1000V DC/1500V DC			
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)			
Maximum Series Fuse Rating	25A			

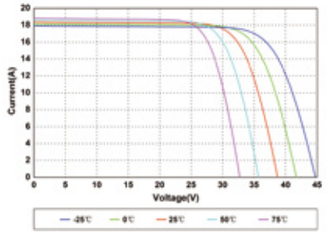
STC Irradiance 1000W/m2, Cell temperature 25°C, AM1.5; Tolerance of Pmax ±3%; Measurement Tolerance ±3%

Electrical Characteristics at NOCT

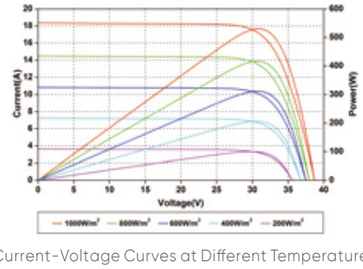
Maximum Power (Pmax)	300W	304W	308W	312W
Open Circuit Voltage (Voc)	34.2V	34.4V	34.6V	34.8V
Short Circuit Current (Isc)	11.10A	11.15A	11.2A	11.25A
Voltage at Maximum Power (Vmp)	28.2V	28.4V	28.6V	28.8V
Current at Maximum Power (Imp)	10.64A	10.71A	10.77A	10.84A

NOCT: Irradiance 800W/m2, Ambient temperature 20°C, Wind Speed 1m/s

IV Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



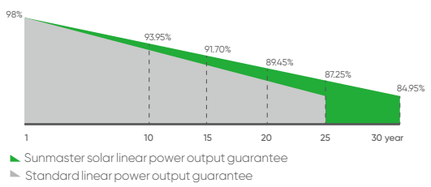
Current-Voltage Curves at Different Temperatures

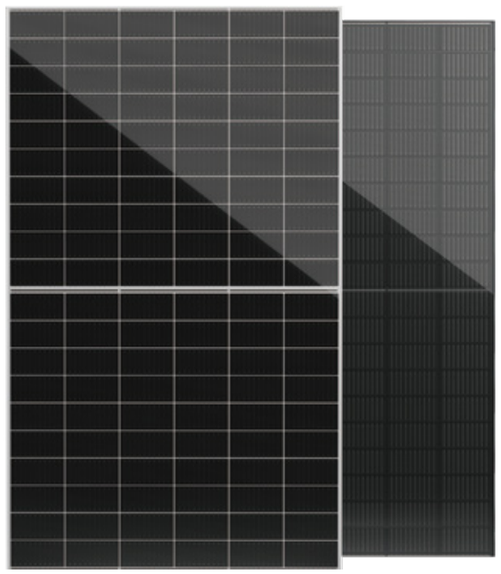
SunMaster 4M

SM450-465W(120)

182mm Cells Mono Half-cut Technology

Quality Guarantee





Standard All Black

450-465W

-0.55% power attenuation

30years Power warranty

Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 9001-
2015/Quality management system

ISO 14001-
2015/Standards for environmental management system

ISO 45001-
2018/International standards for occupational health & safety

Key Features

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Process Upgraded
Lower risk of hot spot and stronger anti-PID ability

Higher Power Gains and Lower Losses
Excellent low irradiance performance and low shadow loss

Strong Environmental Adaptability and Great Durability
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa)

Mechanical Characteristic

Cell type	Monocrystalline PERC 182*91mm
Number of cells	120(6x20)
Module dimensions	1908x1134x35mm (75.12x44.65x1.38inches)
Weight	22kg (48.84lbs)
Front cover	3.2mm(0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	≥IP68 & UL
Cable	4mm² (0.006inches²), Portrait: 300mm (11.81inches); Landscape: 1200mm (47.24inches)
Connector	MC4 or MC4 compatible

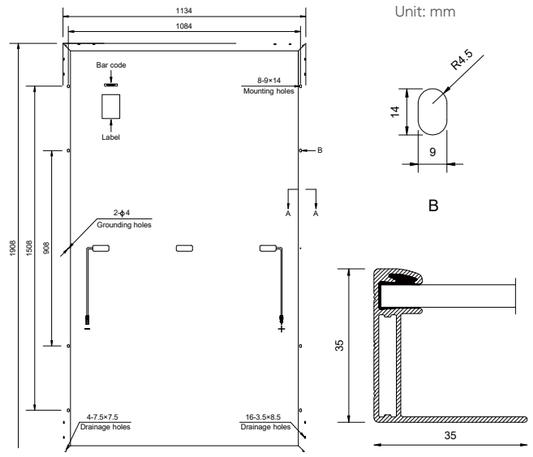
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of Pmax	-0.36% /°C
Temperature Coefficients of Voc	-0.28% /°C
Temperature Coefficients of Isc	0.05% /°C

Packaging

Standard packaging	36pcs/pallet
Module quantity per 40'container	864pcs(HQ)

Engineering Drawings



Specifications in this datasheet are subject to change without prior notice.

Electrical Characteristics at STC

Maximum Power (Pmax)	450W	455W	460W	465W
Open Circuit Voltage (Voc)	41.4V	41.6V	41.8V	42V
Short Circuit Current (Isc)	13.80A	13.85A	13.90A	13.95A
Voltage at Maximum Power (Vmp)	34.6V	34.8V	35.0V	35.2V
Current at Maximum Power (Imp)	13.01A	13.08A	13.15A	13.22A
Module Efficiency(%)	20.57	21.08	21.03	21.26
Operating Temperature	-40°C to +85°C			
Maximum System Voltage	1000V DC/1500V DC			
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)			
Maximum Series Fuse Rating	25A			

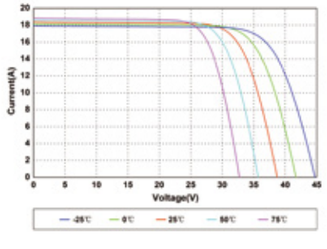
STC Irradiance 1000W/m2, Cell temperature 25°C, AM1.5; Tolerance of Pmax ±3%; Measurement Tolerance ±3%

Electrical Characteristics at NOCT

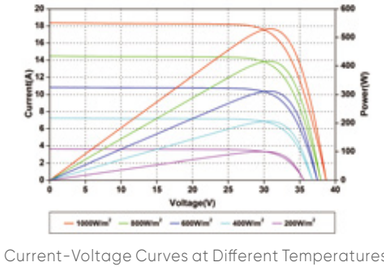
Maximum Power (Pmax)	336W	340W	344W	348W
Open Circuit Voltage (Voc)	38.2V	38.4V	38.6V	38.8V
Short Circuit Current (Isc)	11.18A	11.22A	11.26A	11.33A
Voltage at Maximum Power (Vmp)	31.5V	31.7V	31.9V	32.1V
Current at Maximum Power (Imp)	10.67A	10.73A	10.79A	10.85A

NOCT: Irradiance 800W/m2, Ambient temperature 20°C, Wind Speed 1m/s

IV Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



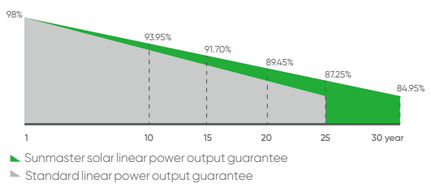
Current-Voltage Curves at Different Temperatures

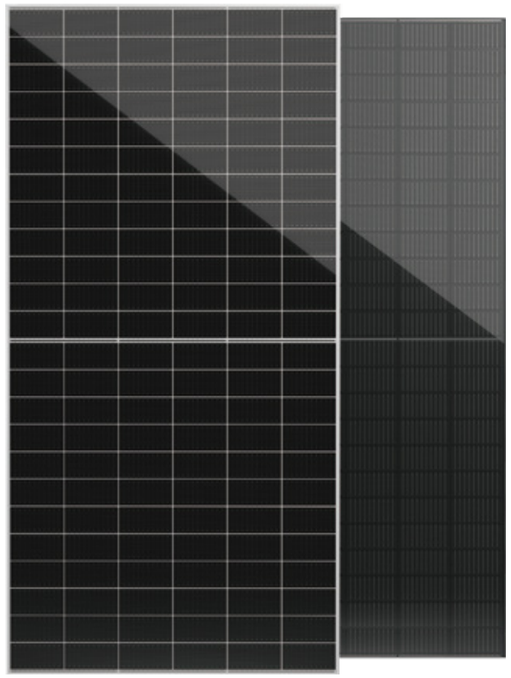
SunMaster 5L

SM525-550W(144)

182mm Cells Mono Half-cut Technology

Quality Guarantee





Standard All Black

525-550W

-0.55% power attenuation

30years Power warranty

Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 9001-

2015/Quality management system

ISO 14001-

2015/Standards for environmental management system

ISO 45001-

2018/International standards for occupational health & safety

Key Features

Optimal Process Design
166mm+9BB+Half-cut, higher power output

Select Grade A Crystalline Silicon Solar Cells
Grade A crystalline silicon solar cells make high-power output with cost-effective

Stable Generation Performance
Power attenuation:first year ≤2%, 0.55% per year from 2-25

Process Upgraded
Lower risk of hot spot and stronger anti-PID ability

Higher Power Gains and Lower Losses
Excellent low irradiance performance and low shadow loss

Strong Environmental Adaptability and Great Durability
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa)

Mechanical Characteristic

Cell type	Monocrystalline PERC 182*91mm
Number of cells	144(6x24)
Module dimensions	2279x1134x35mm (89.72x44.65x1.38inches)
Weight	26kg (57.72lbs)
Front cover	3.2mm(0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	≥IP68 & UL
Cable	4mm² (0.006inches²), Portrait: 300mm (11.81inches); Landscape: 1300mm (51.18inches)
Connector	MC4 or MC4 compatible

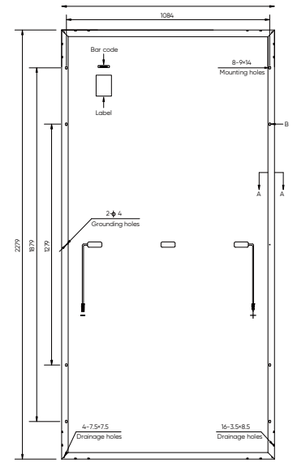
Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of Pmax	-0.36% /°C
Temperature Coefficients of Voc	-0.28% /°C
Temperature Coefficients of Isc	0.05% /°C

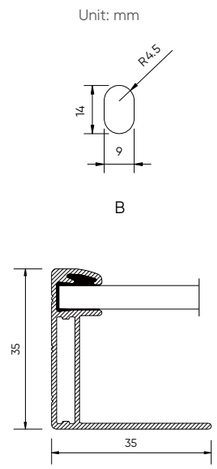
Packaging

Standard packaging	36pcs/pallet
Module quantity per 40'container	720pcs(HQ)

Engineering Drawings



Rear View



Section A-A

Specifications in this datasheet are subject to change without prior notice.

Electrical Characteristics at STC

Maximum Power (Pmax)	525W	530W	535W	540W	545W	550W
Open Circuit Voltage (Voc)	49.0V	49.2V	49.4V	49.6V	49.8V	50.0V
Short Circuit Current (Isc)	13.74A	13.78A	13.82A	13.86A	13.90A	13.94A
Voltage at Maximum Power (Vmp)	40.8V	41.0V	41.2V	41.4V	41.6V	41.8V
Current at Maximum Power (Imp)	12.88A	12.93A	12.99A	13.05A	13.11A	13.16A
Module Efficiency(%)	20.31	20.51	20.7	20.89	21.09	21.28
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1000V DC/1500V DC					
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)					
Maximum Series Fuse Rating	25A					

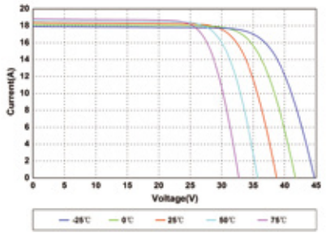
STC Irradiance 1000W/m2, Cell temperature 25°C, AM1.5; Tolerance of Pmax ±3%; Measurement Tolerance ±3%

Electrical Characteristics at NOCT

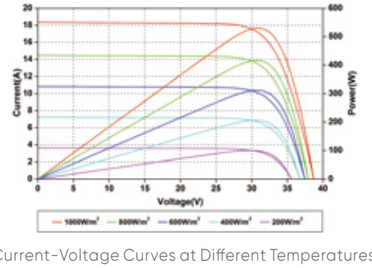
Maximum Power (Pmax)	391W	395W	399W	403W	407W	411W
Open Circuit Voltage (Voc)	45.1V	45.3V	45.5V	45.7V	45.9V	46.1V
Short Circuit Current (Isc)	11.13A	11.16A	11.19A	11.22A	11.25A	11.28A
Voltage at Maximum Power (Vmp)	37.1V	37.3V	37.5V	37.7V	37.9V	38.1V
Current at Maximum Power (Imp)	10.54A	10.59A	10.64A	10.69A	10.74A	10.79A

NOCT: Irradiance 800W/m2, Ambient temperature 20°C, Wind Speed 1m/s

IV Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



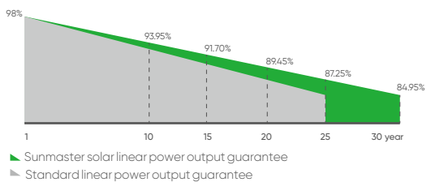
Current-Voltage Curves at Different Temperatures

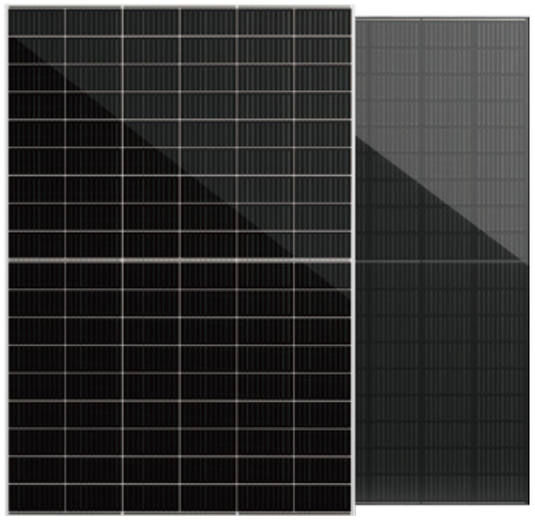
SunMaster 5

SM520-545W(108)

210mm Cells Mono Half-cut Technology

Quality Guarantee





Standard All Black

520-545W

-0.55% power attenuation

30years Power warranty

Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 9001-

2015/Quality management system

ISO 14001-

2015/Standards for environmental management system

ISO 45001-

2018/International standards for occupational health & safety

Key Features

Optimal Process Design
166mm+9BB+Half-cut, higher power output

Select Grade A Crystalline Silicon Solar Cells
Grade A crystalline silicon solar cells make high-power output with cost-effective

Stable Generation Performance
Power attenuation:first year ≤2%, 0.55% per year from 2-25

Process Upgraded
Lower risk of hot spot and stronger anti-PID ability

Higher Power Gains and Lower Losses
Excellent low irradiance performance and low shadow loss

Strong Environmental Adaptability and Great Durability
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa)

Mechanical Characteristic

Cell type	Monocrystalline PERC 210*105mm
Number of cells	108 (6*18)
Module dimensions	1960x1303x35mm (77.17x51.30x1.38inches)
Weight	26kg (57.72lbs)
Front cover	3.2mm(0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	≥IP68 & UL
Cable	4mm² (0.006inches²), Portrait: 300mm (11.81inches); Landscape: 1200mm (47.24inches)
Connector	MC4 or MC4 compatible

Temperature Characteristics

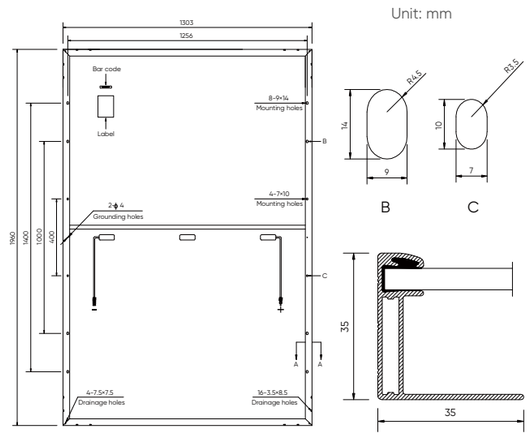
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of Pmax	-0.36% /°C
Temperature Coefficients of Voc	-0.28% /°C
Temperature Coefficients of Isc	0.05% /°C

Packaging

Standard packaging	31pcs/pallet
Module quantity per 20'container	248pcs
Module quantity per 40'container	527pcs(HQ)

Engineering Drawings

Unit: mm



Rear View Section A-A

Specifications in this datasheet are subject to change without prior notice.

Electrical Characteristics at STC

Maximum Power (Pmax)	520W	525W	530W	535W	540W	545W
Open Circuit Voltage (Voc)	36.9V	37.1V	37.3V	37.5V	37.7V	37.9V
Short Circuit Current (Isc)	18.2A	18.25A	18.30A	18.35A	18.40A	18.45A
Voltage at Maximum Power (Vmp)	30.5V	30.7V	30.9V	31.1V	31.3V	31.5V
Current at Maximum Power (Imp)	17.05A	17.11A	17.16A	17.21A	17.26A	17.31A
Module Efficiency(%)	20.36	20.56	20.75	20.95	21.14	21.34
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1000V DC/1500V DC					
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)					
Maximum Series Fuse Rating	30A					

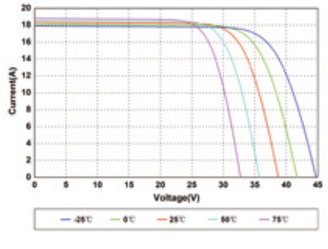
STC Irradiance 1000W/m2, Cell temperature 25°C, AM1.5; Tolerance of Pmax ±3%; Measurement Tolerance ±3%

Electrical Characteristics at NOCT

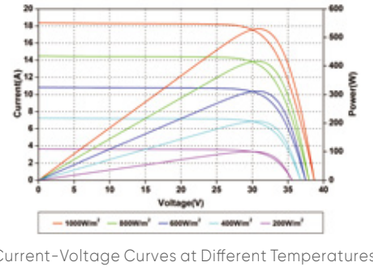
Maximum Power (Pmax)	390W	394W	398W	402W	406W	410W
Open Circuit Voltage (Voc)	34.0V	34.2V	34.4V	34.6V	34.8V	35.0V
Short Circuit Current (Isc)	14.75A	14.79A	14.83A	14.87A	14.91A	14.95A
Voltage at Maximum Power (Vmp)	27.8V	28.0V	28.2V	28.4V	28.6V	28.8V
Current at Maximum Power (Imp)	14.03A	14.08A	14.12A	14.16A	14.20A	14.24A

NOCT: Irradiance 800W/m2, Ambient temperature 20°C, Wind Speed 1m/s

IV Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



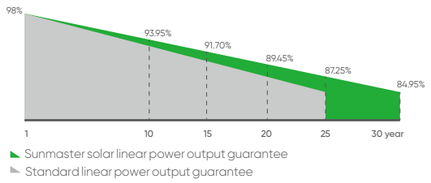
Current-Voltage Curves at Different Temperatures

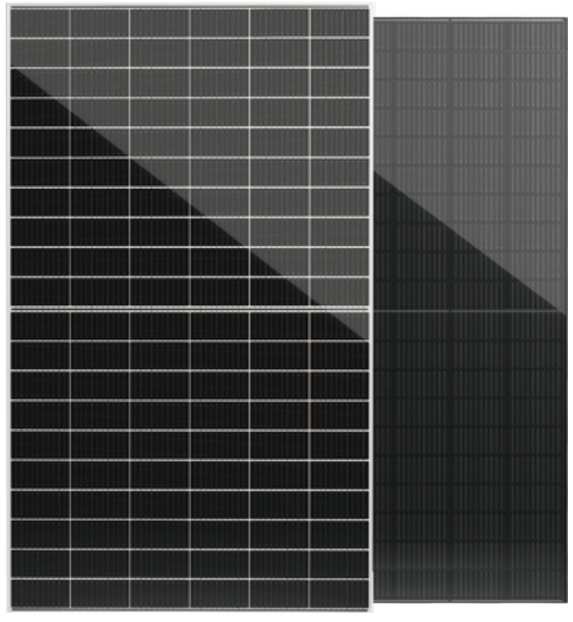
SunMaster 5M

SM580-605W(120)

210mm Cells Mono Half-cut Technology

Quality Guarantee





Standard All Black

580-605W

-0.55% power attenuation

30years Power warranty

Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 9001-

2015/Quality management system

ISO 14001-

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2018/International standards for occupational health & safety

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Strong Environmental Adaptability and Great Durability
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Mechanical Characteristic

Cell type	Monocrystalline PERC 210*105mm
Number of cells	120 (6*20)
Module dimensions	2172x1303x35mm (85.51x51.30x1.38inches)
Weight	28.5kg (63.27lbs)
Front cover	3.2mm(0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	≥IP68 & UL
Cable	4mm² (0.006inches²), Portrait: 300mm (11.81inches); Landscape: 1300mm (51.18iinches)
Connector	MC4 or MC4 compatible

Temperature Characteristics

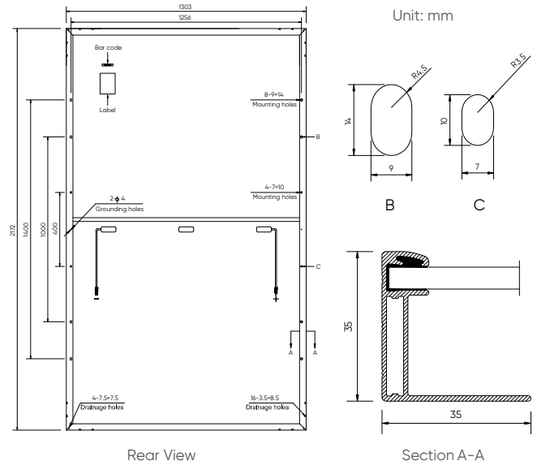
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of Pmax	-0.36% /°C
Temperature Coefficients of Voc	-0.28% /°C
Temperature Coefficients of Isc	0.05% /°C

Packaging

Standard packaging	31pcs/pallet
Module quantity per 20'container	155pcs
Module quantity per 40'container	527pcs(HQ)

Engineering Drawings

Unit: mm



Rear View Section A-A

Specifications in this datasheet are subject to change without prior notice.

Electrical Characteristics at STC

Maximum Power (Pmax)	580W	585W	590W	595W	600W	605W
Open Circuit Voltage (Voc)	40.8V	41.0V	41.2V	41.4V	41.6V	41.8V
Short Circuit Current (Isc)	18.25A	18.30A	18.35A	18.40A	18.45A	18.50A
Voltage at Maximum Power (Vmp)	33.9V	34.1V	34.3V	34.5V	34.7V	34.9V
Current at Maximum Power (Imp)	17.11A	17.16A	17.21A	17.25A	17.30A	17.34A
Module Efficiency(%)	20.49	20.67	20.85	21.02	21.2	21.38
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1000V DC/1500V DC					
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)					
Maximum Series Fuse Rating	30A					

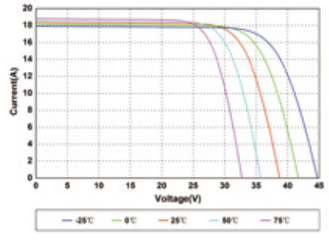
STC Irradiance 1000W/m2, Cell temperature 25°C, AM1.5; Tolerance of Pmax ±3%; Measurement Tolerance ±3%

Electrical Characteristics at NOCT

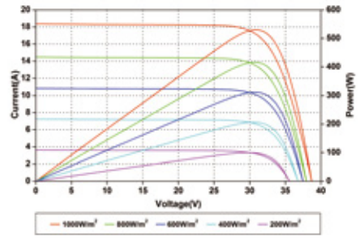
Maximum Power (Pmax)	435W	439W	443W	447W	451W	455W
Open Circuit Voltage (Voc)	38.4V	38.6V	38.8V	39.0V	39.2V	39.4V
Short Circuit Current (Isc)	14.78A	14.82A	14.86A	14.90A	14.94A	14.98A
Voltage at Maximum Power (Vmp)	31.4V	31.6V	31.82V	32.0V	32.2V	32.4V
Current at Maximum Power (Imp)	13.86A	13.90A	13.94A	13.97A	14.01A	14.05A

NOCT: Irradiance 800W/m2, Ambient temperature 20°C, Wind Speed 1m/s

IV Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



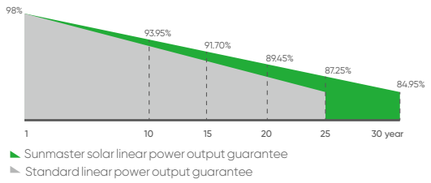
Current-Voltage Curves at Different Temperatures

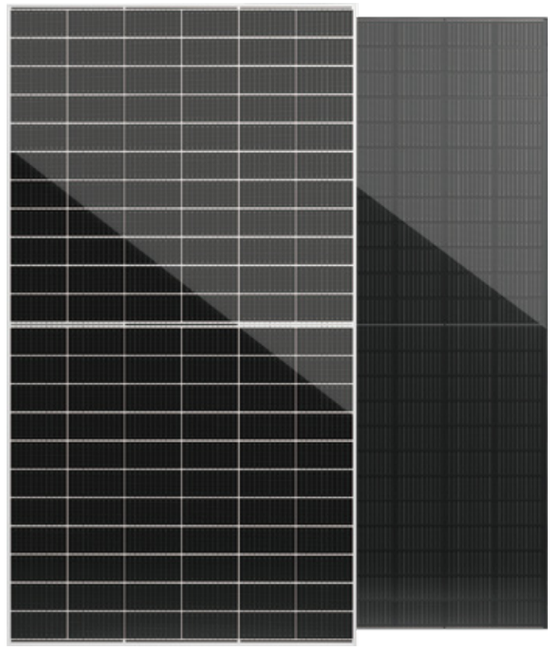
SunMaster 6

SM640-665W(120)

210mm Cells Mono Half-cut Technology

Quality Guarantee





Standard All Black

640-665W

-0.55% power attenuation

30years Power warranty

Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 9001-

2015/Quality management system

ISO 14001-

2015/Standards for environmental management system

ISO 45001-

2018/International standards for occupational health & safety

Key Features

Optimal Process Design
166mm+9BB+Half-cut, higher power output

Select Grade A Crystalline Silicon Solar Cells
Grade A crystalline silicon solar cells make high-power output with cost-effective

Stable Generation Performance
Power attenuation:first year ≤2%, 0.55% per year from 2-25

Process Upgraded
Lower risk of hot spot and stronger anti-PID ability

Higher Power Gains and Lower Losses
Excellent low irradiance performance and low shadow loss

Strong Environmental Adaptability and Great Durability
Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pa) and snow load (5400 Pa)

Mechanical Characteristic

Cell type	Monocrystalline PERC 210*105mm
Number of cells	132 (6*22)
Module dimensions	2384x1303x35mm (93.86x51.30x1.38inches)
Weight	31.5kg (69.93lbs)
Front cover	3.2mm(0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	≥IP68 & UL
Cable	4mm² (0.006inches²), Portrait: 300mm (11.81inches); Landscape: 1400mm (55.12iinches)
Connector	MC4 or MC4 compatible

Temperature Characteristics

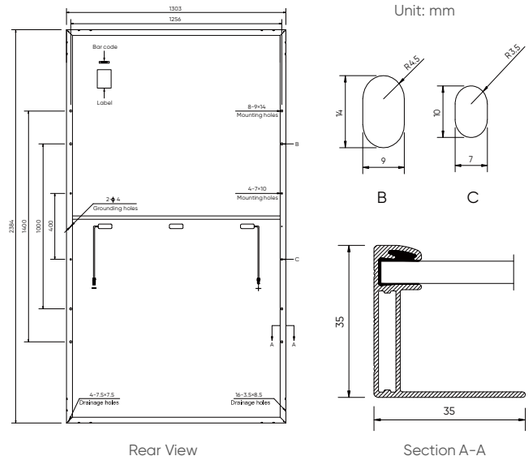
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of Pmax	-0.36% /°C
Temperature Coefficients of Voc	-0.28% /°C
Temperature Coefficients of Isc	0.05% /°C

Packaging

Standard packaging	31pcs/pallet
Module quantity per 20'container	124pcs
Module quantity per 40'container	527pcs(HQ)

Engineering Drawings

Unit: mm



Specifications in this datasheet are subject to change without prior notice.

Electrical Characteristics at STC

Maximum Power (Pmax)	640W	645W	650W	655W	660W	665W
Open Circuit Voltage (Voc)	45.1V	45.3V	45.5V	45.7V	45.9V	46.1V
Short Circuit Current (Isc)	18.26A	18.31A	18.36A	18.41A	18.46A	18.51A
Voltage at Maximum Power (Vmp)	37.3V	37.5V	37.7V	37.9V	38.1V	38.3V
Current at Maximum Power (Imp)	17.16A	17.21A	17.26A	17.31A	17.36A	17.41A
Module Efficiency(%)	20.6	20.76	20.92	21.09	21.25	21.41
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1000V DC/1500V DC					
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)					
Maximum Series Fuse Rating	30A					

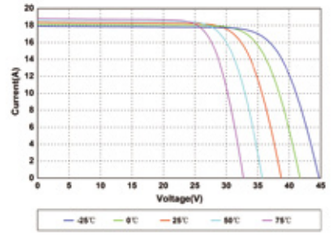
STC Irradiance 1000W/m2, Cell temperature 25°C, AM1.5; Tolerance of Pmax ±3%; Measurement Tolerance ±3%

Electrical Characteristics at NOCT

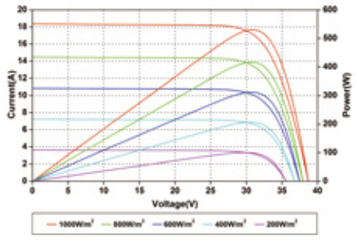
Maximum Power (Pmax)	480W	484W	488W	492W	496W	500W
Open Circuit Voltage (Voc)	41.5V	41.7V	41.9V	42.1V	42.3V	42.5V
Short Circuit Current (Isc)	14.79A	14.83A	14.87A	14.91A	14.95A	14.99A
Voltage at Maximum Power (Vmp)	33.9V	34.1V	34.3V	34.5V	34.7V	34.9V
Current at Maximum Power (Imp)	14.16A	14.20A	14.23A	14.27A	14.30A	14.33A

NOCT: Irradiance 800W/m2, Ambient temperature 20°C, Wind Speed 1m/s

IV Curves



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

SunMaster 6

405-670W

Shingled PV Module

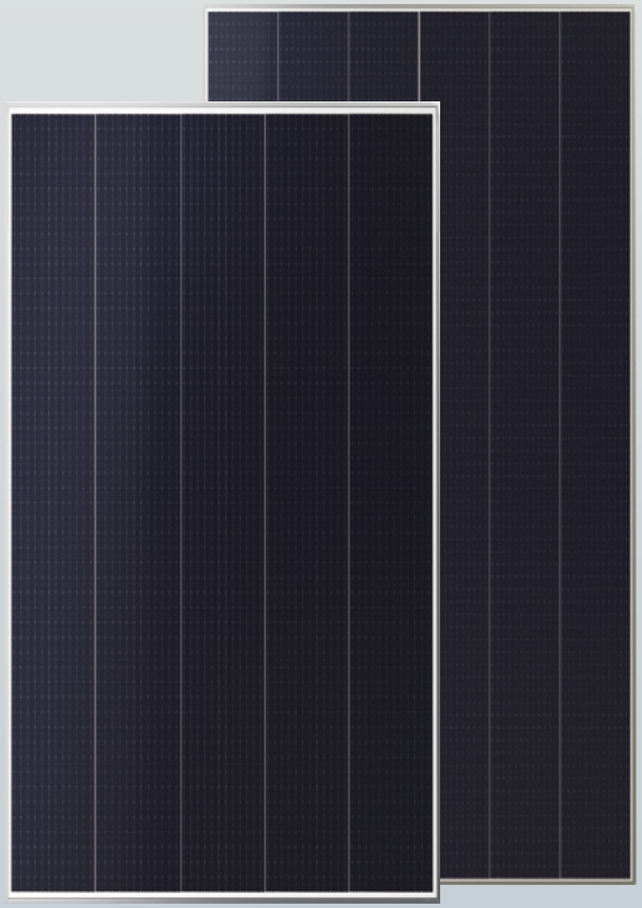
Based on M10-210mm wafer, best choice for ultra-large power plants. Advanced module technology delivers superior module efficiency. Globally validated bifacial energy yield. High module quality ensures long-term reliability.

Super Performance & Stable Returns
Low hot spot & anti-PID, to ensure module operation optimally

Various Application Scenarios
Strong weather resistance, easy installation in deserts, coastal areas, mountains and various roofs

Technology & Process Upgrade
210+10BB+half-cell, higher power generation with the same installation

Comprehensive Products &System Certificates



Module	Maximum Powoer	Size / Weighti
SM-SPSG-405~425M12	405~425W	1808*1086*30mm/21kg
SM-SPSG-495~520M12	495~520W	2275*1086*35mm/26.1kg
SM-SPSG-535~560M12	535~560W	2384*1086*35mm/27kg
SM-SPDG-530~555M12	530~555W	2384*1092*35mm/32.2kg
SM-SPDG-585~610M12	585~610W	2185*1303*35mm/35.5kg
SM-SPDG-645~670M12	645~670W	2384*1303*35mm/38.3kg

SunMaster 5

360-550W

Bifacial PV Module

Based on M10-210mm wafer, best choice for ultra-large power plants. Advanced module technology delivers superior module efficiency. Globally validated bifacial energy yield. High module quality ensures long-term reliability.

PERC technology
The PERC technology features were the reduction of rear surface recombination by a combination of dielectric surface passivation and reduced metal/semiconductor contact area while simultaneously increasing rear surface reflection by use of a dielectrically displaced rear metal reflector.

Special frame design with anti-fouling patent
155-degree angle, excellent anti-fouling performance, improve long-term power generation performance

Bifacial cell technology
Generate electricity from backside of solar cell with environmental light reflections, brings additional 5%-25% more power generation.

Split module design
Better performance in shading conditions with split module design

9 busbar cell technology
Increased cell bus-bar means more paths for electric charges, so there would be less resistance losses and more emitted electrons can be captured, thus it can increase power output by 2%.

Half-cut cell technology
Through reducing length of cell spacing, two half-cut cells can provide higher electric current, thus enhance 3% of power output. The output of two 9 bus-bar half-cut cells is even higher than one 12 bus-bar full cell.

Ultra high strength frame
Specially designed for "Jethru Du Pro" bifacial dual-glass series, passed 7200 Pa (front) mechanical load test, reducing shading with no C side design for Split module design short frame. (Note: "120 Cells series)

1500V DC
High system voltage of J-box and glasses, reduce PV system cost.

Comprehensive Products &System Certificates

Module	Maximum Powoer
SM-DG-360~385M6	360~385W
SM-DG-440~465M6	440~465W
SM-DG-525~550M8	525~550W