



THE PRIMAX

BIFACIAL DUAL GLASS MONOCRYSTALLINE MODULE

555W

MAXIMUM POWER OUTPUT

21.5%

MAXIMUM EFFICIENCY

0-+5W

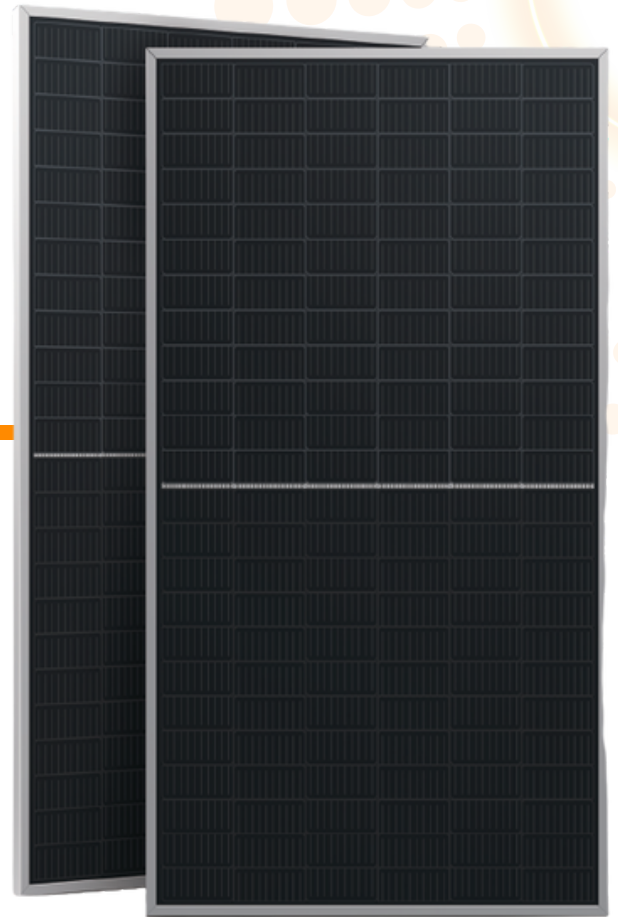
POSITIVE POWER TOLERANCE

PRODUCTS

SPH-DEG18C.20

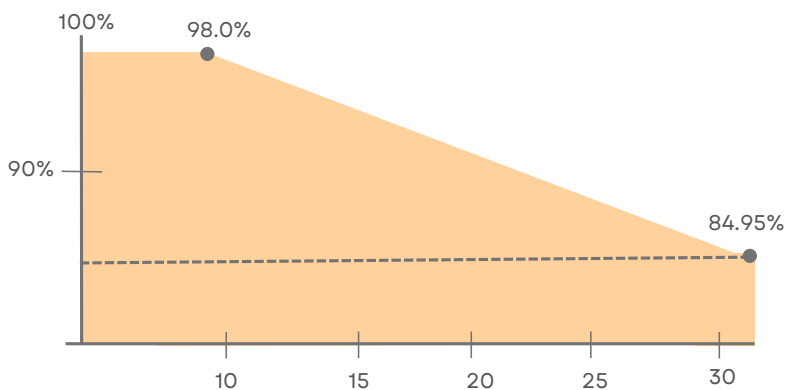
POWER RANGE

530W - 555W



Sunphase is a top tier 1 class panel brand that was established in 2017 in order to globally spread solar energy to every household and business. We revolutionize the way energy is delivered to customers, using a cleaner and more affordable alternative to their utility bill.

Since its inception, the company has made its goal to be the standard for the solar module industry and to bring clean and green electricity, both to the urban environment and the periphery.



PRIMAX - SPH-M10S BIFACIAL MODULE

Sunphase Primax showcases a thin profile double-glass construction that yields higher power and superior aesthetics that are a perfect complement to roofs, carports, and canopies.

Primax uses a highly scalable process to deliver high-output solar power at a very competitive Levelized Cost of Energy (LCOE).

KEY FEATURES

- With a high power output
- Robust quality and reliability
- High Module Efficiency
- Competitive Weak Light Performance
- Withstands harsh environment
- Ideal solution for utility and industrial projects

LINEAR PERFORMANCE WARRANTY

- 12 Year Product Warranty
- 30 Year Linear Power Warranty

COMPREHENSIVE CERTIFICATES

IEC 61215 / IEC61 / IEC 62716 /UL703
ISO 14001 : 2015 Environmental Management System
ISO 9001 : 2015 Quality Management System
ISO 45001 : 2018 Occupational Health and Management System.



ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)	530	535	540	545	550	555
Power Output Tolerance-PMAX (W)						
Maximum Power Voltage-VMPP (V)	41.23V	41.41V	41.64V	41.83V	41.97V	42.11V
Maximum Power Current-IMPP (A)	12.86A	12.92A	12.97A	13.03A	13.12A	13.18A
Open Circuit Voltage-Voc (V)	49.23V	49.34V	49.60V	49.66V	49.84V	50.02V
Short Circuit Current ISC(A)	13.72A	13.81A	13.86A	13.96A	14.03A	14.07A
Module Efficiency (%)	20.5%	20.7%	20.9%	21.1%	21.3%	21.5%

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

TEMPERATURE RATINGS

Temperature Coefficients of Pmax	-0.350%/°C
Temperature Coefficients of Voc	-0.270%/°C
Temperature Coefficients of Isc	0.048%/°C

MAXIMUM RATINGS

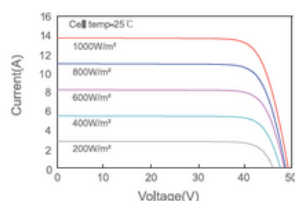
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V
Max Series Fuse Rating	25A

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

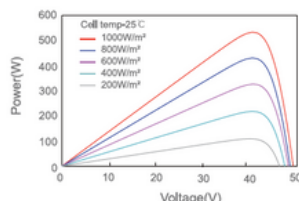
DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

5%	Pmax (Wp)	577Wp	562Wp	567Wp	572Wp	578Wp	583Wp
	Module Efficiency (%)	21.67%	21.87%	22.06%	22.26%	22.49%	22.68%
15%	Pmax (Wp)	610Wp	615Wp	621Wp	627Wp	633Wp	638Wp
	Module Efficiency (%)	23.87%	23.93%	24.16%	24.40%	24.63%	24.83%
25%	Pmax (Wp)	663Wp	669Wp	675Wp	681Wp	688Wp	694Wp
	Module Efficiency	25.80%	26.04%	26.27%	26.50%	26.77%	27.00%

CHARACTERISTICS



Current-Voltage Curve



Power-Voltage Curve

MECHANICAL DATA

Solar Cells	Monocrystalline 182x91mm
Cell Orientation	144 cells (6x24)
Module Dimension	2278x1134x30mm
Weight	32kg
Glass	2.0mm (0.13 inches), High Transmission AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006in ²)
Connector	MC4

PACKAGING CONFIGURATION

Modules per box	36 pieces
Modules per 40'	HQ Container: 720 pieces

MECHANICAL DIAGRAMS

