



THE PRIMELUX

BIFACIAL DUAL GLASS MONOCRYSTALLINE MODULE

625W

MAXIMUM POWER OUTPUT

22.54%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

PRODUCTS

SPH-DEG18C.20

POWER RANGE

610-630W

Sunphase stands as the pinnacle of class 1 German-engineered solar panels, forged with the vision to proliferate solar energy globally. Its commitment is to redefine the energy landscape, empowering households and businesses alike with a sustainable, cost-effective alternative to traditional utility services. Join us in revolutionizing energy delivery, paving the way for a cleaner, brighter future for all.



HIGH POWER OUTPUT



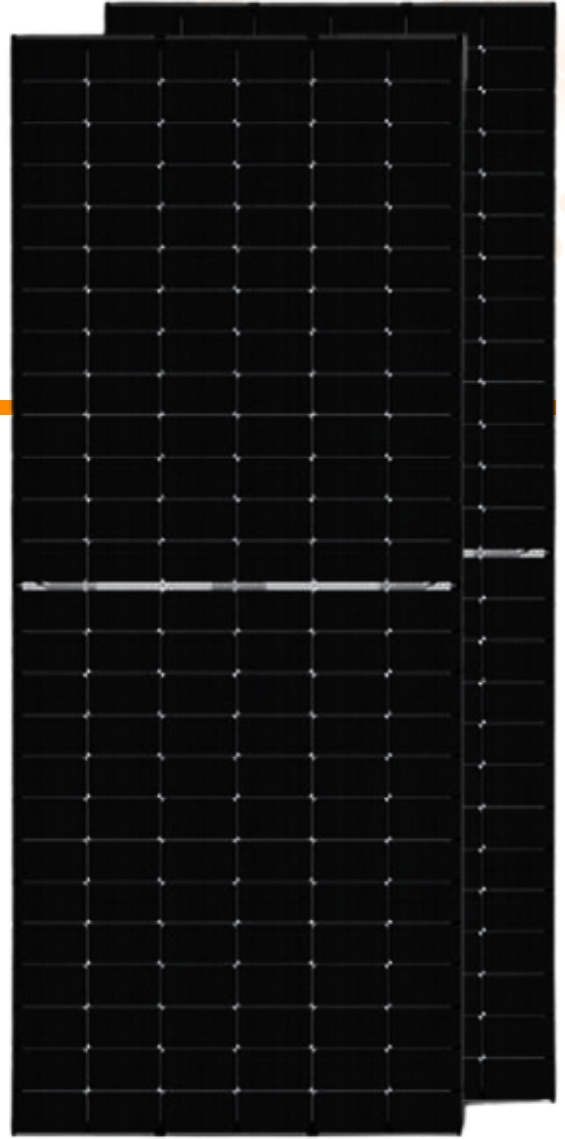
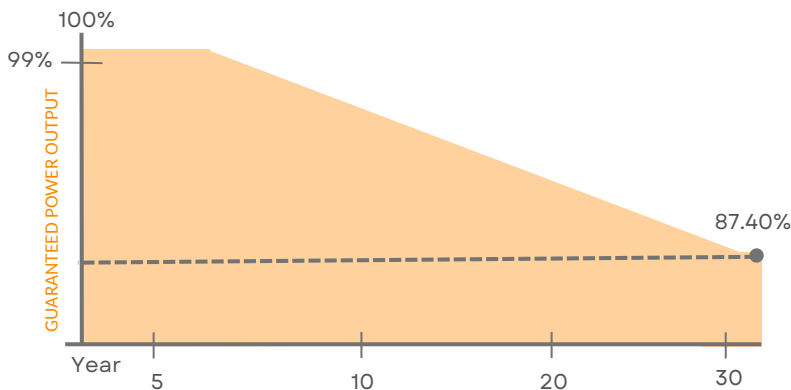
PID RESISTANCE



LONGER SERVICE LIFE



DOUBLE SIDE POWER GENERATION



PRIMAX - SPH-M10NS 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).

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.



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ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)	610	615	620	625	630
Power Output Tolerance-PMAX (W)	0 ~ +5				
Maximum Power Voltage-VMPP (V)	47.87V	48.06V	48.19V	48.31V	48.38V
Maximum Power Current-IMPP (A)	12.74A	12.80A	12.87A	12.94A	13.02A
Open Circuit Voltage-Voc (V)	56.32V	56.48V	56.63V	56.71V	56.78V
Short Circuit Current ISC(A)	13.49A	13.53A	13.60A	13.67A	13.77A
Module Efficiency (%)	21.82%	22.00%	22.18%	22.36%	22.54%

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

TEMPERATURE RATINGS

Temperature Coefficients of Pmax	-0.290%/°C	Operational Temperature	-40~+85°C
Temperature Coefficients of Voc	-0.250%/°C	Maximum System Voltage	1500V
Temperature Coefficients of Isc	0.045%/°C	Max Series Fuse Rating	25A

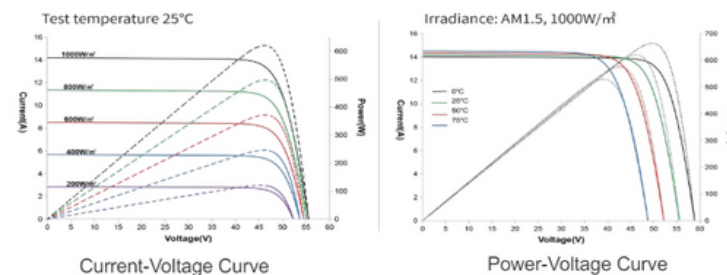
(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

ELECTRICAL PARAMETERS (BNPI)

Max. Power Output Pmax (W)	674	679	685	690	696
Max. Power Voltage Vmp (V)	48.07	48.26	48.39	48.51	48.58
Max. Power Current Imp (A)	14.01	14.07	14.15	14.22	14.32
Open Circuit Voltage Voc (V)	56.52	56.68	56.83	56.91	56.98
Short Circuit Current Isc (A)	14.83	14.87	14.96	15.04	15.14

* BNPI (Bifacial Nameplate Irradance): Front Side Irradiance 1000W/m², Rear Side Irradiance 135W/m², Cell Temperature 20 o C, Air Mass 1.5

CHARACTERISCTICS



MECHANICAL DATA

Solar Cells	N Type Monocrystalline 182.2×91mm
Cell Orientation	156 cells (6×26)
Module Dimension	2465×1134×30mm
Weight	34.6kg
Glass	2.0mm (0.08 inches), High Transmission AR Coated Tempered Glass
Back Glass	2.0mm mesh glaze plating
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	(+):300mm, (-):300mm or Customized Length
Connector	MC4 or MC4 Compatible

PACKAGING CONFIGURATION

Modules per box	36 pieces
Modules per 40'	HQ Container: 576 pieces

MECHANICAL DIAGRAMS

