

SEG-6MA-xxxBB

SERIES 6 INCH 72 CELLS



SERAPHIM
ENERGY GROUP

Safety



Resistance to salt mist corrosion at your request

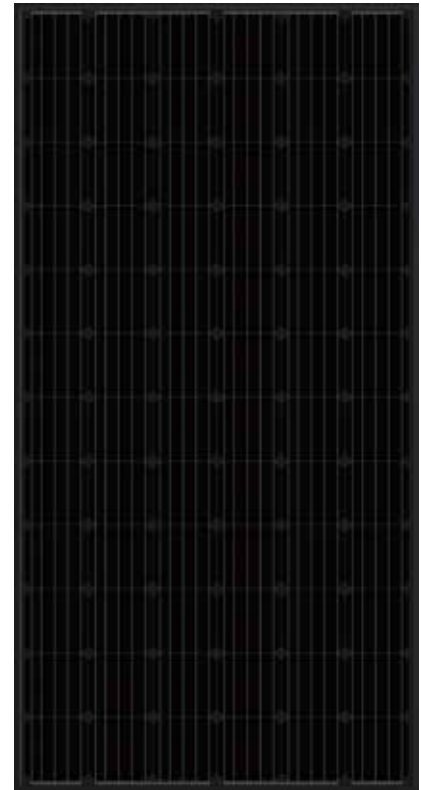


Resistance to ammonia corrosion at your request



Product is certified by UL1703

355-370_W PERC



Reliability



Anti-PID products using advanced module technology



World 1st company to pass "Thresher Test" and "On-site Power Measurement Validation" certificate

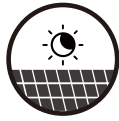


Bankable products

Performance



Withstand high system voltage up to 1500V to save BoS Cost

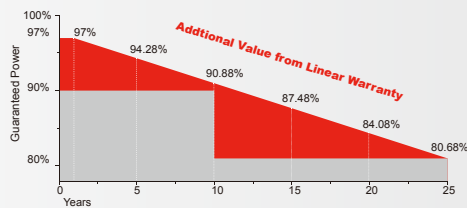


Outstanding power output capability at low irradiance



Withstand up to 2400Pa wind and 5400Pa snow loads(IEC), long lasting

WARRANTY



10
YEARS

Guarantee on product material and workmanship

25
YEARS

Linear power output warranty

MANAGEMENT SYSTEM

ISO 9001: Quality management system

ISO 14001: Standard for environmental management system

OHSAS 18001: International standard for occupational health and safety assessment system

PRODUCT CERTIFICATES



Solar Energy Industries Association®



INSURANCE



Specifications are subject to change without notification SEG-DS-EN-2019V1.1 © Copyright 2019 Seraphim

SERAPHIM ENERGY GROUP, INC.

SEG-6MA-XXXBB SERIES 6 INCH 72 CELLS



BB : BLACK BACK-SHEET / BLACK FRAME PRODUCTS

Electrical Characteristics(STC)

Module Type	SEG-6MA-355BB	SEG-6MA-360BB	SEG-6MA-365BB	SEG-6MA-370BB
Maximum Power at STC - P_{mp} (W)	355	360	365	370
Open Circuit Voltage - V_{oc} (V)	47.2	47.4	47.6	47.8
Short Circuit Current - I_{sc} (A)	9.61	9.70	9.78	9.88
Maximum Power Voltage - V_{mp} (V)	38.3	38.5	38.7	38.9
Maximum Power Current - I_{mp} (A)	9.27	9.36	9.44	9.52
Module Efficiency STC- η_m (%)	18.3	18.55	18.81	19.07
Power Tolerance (W)	(0,+4.99)			
Maximum System Voltage (V)	1000 or 1500(UL)			
Maximum Series Fuse Rating (A)	20			
Fire Performance	Type2 or Type1(UL)			

Electrical Characteristics(NOCT)

Module Type	SEG-6MA-355BB	SEG-6MA-360BB	SEG-6MA-365BB	SEG-6MA-370BB
Maximum Power at NOCT - P_{mp} (W)	263	267	271	274
Open Circuit Voltage - V_{oc} (V)	43.6	43.8	44.0	44.1
Short Circuit Current - I_{sc} (A)	7.75	7.84	7.90	7.97
Maximum Power Voltage - V_{mp} (V)	35.9	36.1	36.3	36.4
Maximum Power Current - I_{mp} (A)	7.33	7.40	7.47	7.53

Temperature Characteristics

Pmax Temperature Coefficient	-0.38 %/°C
Voc Temperature Coefficient	-0.28 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

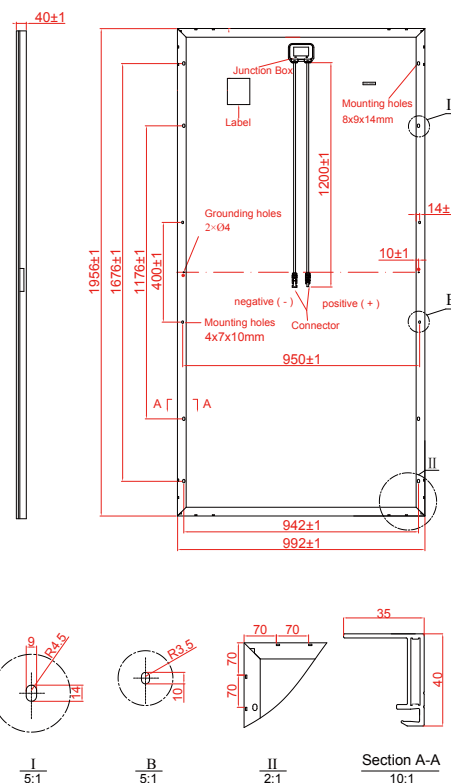
Packing Configuration

	1956 x 992 x 40mm (77.01×39.06×1.58 inch)
Container	40' GP
Pieces per Pallet	26
Pallets per Container	24
Pieces per Container	624

Mechanical Specifications

External Dimensions	1956 x 992 x 40 mm (77.01×39.06×1.58 inch)
Weight	21.5 kg (47.4 lbs)
Solar Cells	Monocrystalline, 6 inch (72pcs.)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67
Output Cables	12AWG, cable length:1200 mm
Connector	MC4 Compatible

STC: Irradiance 1000 W/m², module temperature 25°C, AM=1.5
 NOCT: Irradiance 800 W/m², ambient temperature 20°C, wind speed :1m/s
 Specifications are subject to change without further notification.



* All Dimensions in mm
 * The above drawing is a graphical representation of the product.

I-V Curve

