

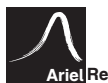
S545M72P3 S550M72P3

S555M72P3 S560M72P3

Shinson is a leading professional supplier in the renewable energy industry, specializing in the production and distribution of high-quality PV modules, completed PV kits, and energy storage solutions. With a commitment to sustainable energy solutions, we strive to provide innovative and reliable products to meet the growing global demand for clean and efficient power generation.

With a focus on quality, innovation, and customer satisfaction, we strive to empower individuals, businesses, and communities with reliable and sustainable energy solutions. By harnessing the power of the sun and embracing renewable energy, we are driving the transition towards a greener and more sustainable future.

S-Max™ series of PV modules are designed for residential and small commercial installations with compact sizes and aesthetic appearances.



High power with high efficiency cells

High power output design to save BOS(balance of system) cost, less payback time.



High reliability with top quality raw materials

Built with top qualified and certified materials to ensure the performance during long working period and tough outside conditions.



Longer life span with 25 years warranty

Shinson extended the warranty period up to 25 years for both performance and workmanship which is on top level of the industry for backsheet modules.



Lower power degradation with more generation

Ensured PID resistance through cell process and module material control to help harvest more, guaranteed only 0.5% annual power degradation .

S.max™ Solar Modules

560W

Maximum Output Power

144

Mono facial Cells

21.66%

Maximum Efficiency



Electrical Data (STC)

Part Number	S545M72P3	S550M72P3	S555M72P3	S560M72P3
Peak Power Watts- $P_{MAX}(Wp)^*$	545	550	555	560
Power Output Tolerance	0/+5W			
Open Circuit Voltage- $V_{oc}(V)$	50.00	50.02	50.40	50.60
Short Circuit Current- $I_{sc}(A)$	13.81	13.87	13.93	13.99
Maximum Power Voltage- $V_{MPP}(V)$	41.80	42.00	42.20	42.40
Maximum Power Current- $I_{MPP}(A)$	13.04	13.10	13.16	13.21
Panel Efficiency(%)	21.08	21.27	21.47	21.66

STC :Irradiance 1000w/m²,Cell Temperature 25°C *Mearsure tolerance:±3%

Electrical Data (NOCT)

MaximumPower- $P_{MAX}(Wp)^*$	412	416	420	424
Open Circuit Voltage- $V_{oc}(V)$	47.80	48.00	48.20	48.40
Short Circuit Current- $I_{sc}(A)$	11.13	11.18	11.23	11.28
Maximum Power Voltage- $V_{MPP}(V)$	39.20	39.40	39.60	39.80
Maximum Power Current- $I_{MPP}(A)$	10.51	10.56	10.61	10.65

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

Mechanical Data

Panel Dimension(H/W/0)	2279 x 1134 x 35 mm
Weight	27kg
Cell Type	Monocrystalline PERC
Cell Size	182x91 mm
Cell Number	144
Glass Type	3.2mm,High Transmission tempering Glass
Encapsulant Type	EVA
Frame Type	Anodized Aluminium Alloy
Junction Box Diodes	3
Junction Box Protection Class	IP68
Connector Type	MC4 or MC 4 Compitable
Cable	1x4mm ² ,(+): 350mm , (-): 350mm or Customized Length

Temperature Ratings

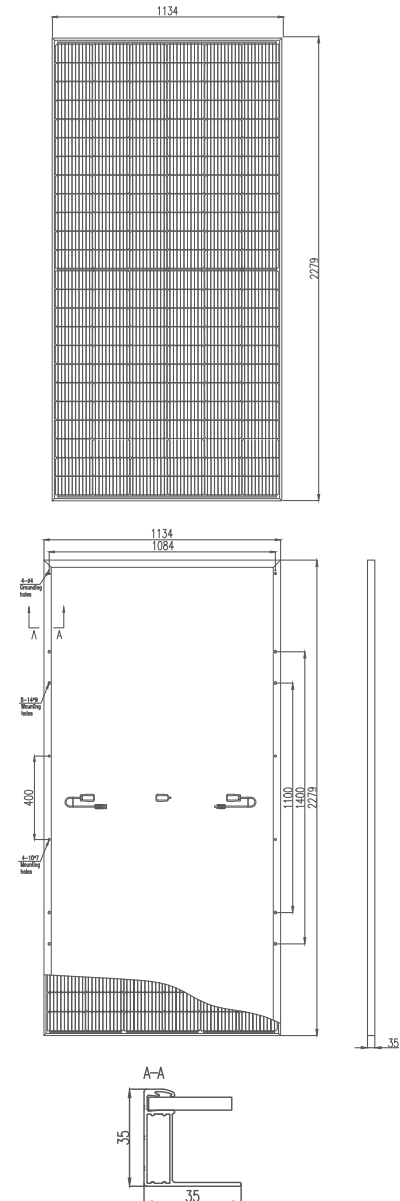
Nominal Operating Cell Temp.(NOCT)	41°C(±3°C)
Temperature Coefficient of P_{MAX}	-0.36%/°C
Temperature Coefficient of V_{oc}	-0.28%/°C
Temperature Coefficient of I_{sc}	+0.05%/°C

* Do not connect Fuse in Combiner Box with two or more strings in parallel connection

Packaging Configuration

Modules per box	31 pieces
Modules per 40'container	620 pieces

Dimensions of PV Module(mm)



Maximum Ratings

Operational Temperature	-40~±85 °C
Front/Rear Side Load	5400/2400pa
Max Series Fuse Rating	30A
Max System Voltage	1500V (IEC)
Fire Rating	Class 1(UN19177)

Warranty

Product Workmanship Warranty	25 years
Output Power Warranty	25 years

