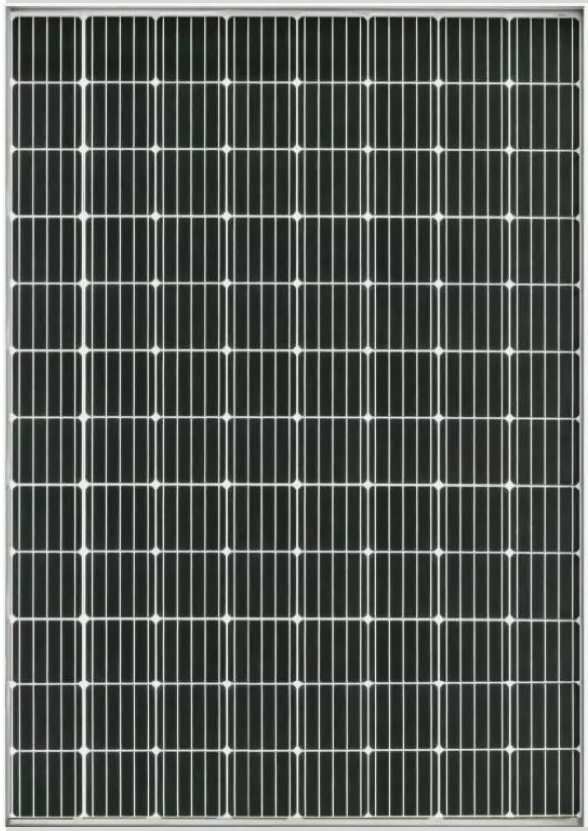
SUNFUTURE

SF-96PERC

MORE BRIGHT FUTURE FROM

SUNFUTURE



PERC MONO 480W 490W 500W 510W 515W 520W

Higher Durability

The multi-busbar design can decrease the risk of the cell micro- cracks and fingers broken.

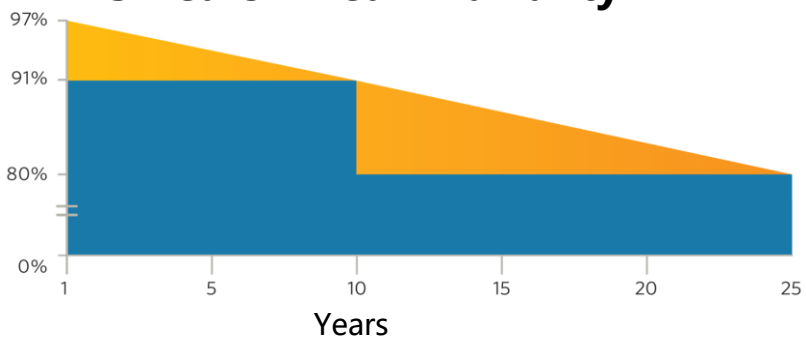
High Power Density

High conversion efficiency and more power output per square meter, by lower series resistance and improved light harvesting.

PID Resistant

Tested in accordance to the IEC 62804 standard, SF modules have demonstrated resistance against PID (Potential Induced Degradation), which translates to security for the investment.

25 Years Linear Warranty



SF's Linear Performance Warranty

Industry Standard Warranty

22.71%
CELL EFFICIENCY

12 YEAR
PRODUCT WARRANTY

0-5W
POWER TOLERANCE

SF-96 PERC

ELECTRICAL PERFORMANCE

Electrical parameters at Standard Test Conditions (STC)

Module type			SF***-96PERC					
Power output	Pmax	W	480	490	500	510	515	520
Module efficiency	η m	%	18.92	19.32	19.71	20.10	20.30	20.50
Voltage at Pmax	Vmp	V	48.70	48.90	49.10	49.30	49.30	49.50
Current at Pmax	Imp	A	9.86	10.02	10.18	10.34	10.45	10.51
Open-circuit voltage	Voc	V	58.44	58.68	58.92	59.16	59.16	59.40
Short-circuit current	Isc	A	10.35	10.52	10.69	10.86	10.97	11.03

STC: 1000W/m² irradiance, 25° C cell temperature, AM1.5g spectrum according to EN 60904-3.

Average relative efficiency reduction of 3.0% at 200W/m² according to EN 60904-1.

Electrical parameters at Nominal Operating Cell Temperature (NOCT)

Power output	Pmax	W	354.0	361.4	368.8	376.2	379.9	383.6
Voltage at Pmax	Vmp	V	44.86	45.05	45.23	45.42	45.42	45.60
Current at Pmax	Imp	A	7.89	8.02	8.15	8.28	8.36	8.40
Open-circuit voltage	Voc	V	54.44	54.66	54.88	55.11	55.11	55.33
Short-circuit current	Isc	A	8.28	8.42	8.55	8.69	8.78	8.82

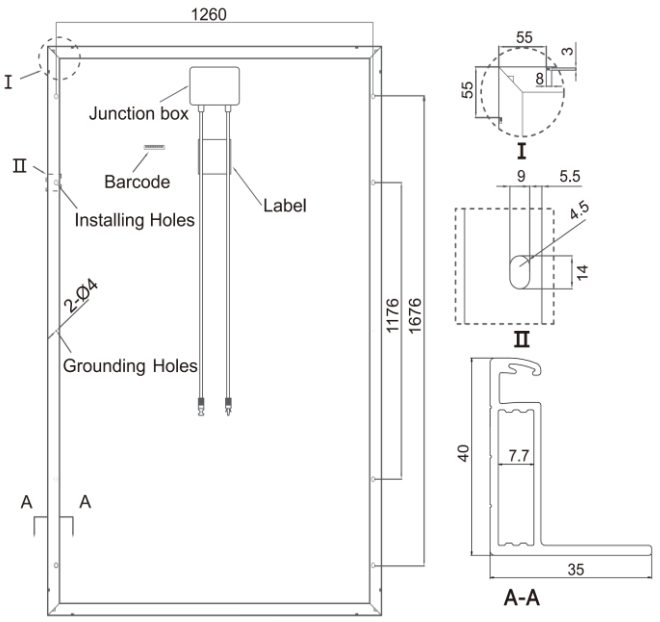
NOCT: open-circuit module operation temperature at 800W/m² irradiance, 20ºC ambient temperature, 1m/s wind speed.

THERMAL CHARACTERISTICS

Nominal operating cell temperature (NOCT)	45ºC±2
Temperature coefficient of Pmax	-0.41%/ºC
Temperature coefficient of Voc	-0.33%/ºC
Temperature coefficient of Isc	+0.059%/ºC

OPERATING CONDITIONS & DIMENSION

Max. system voltage	1500VDC
Max. series fuse rating	15A
Operating temperature range	-40ºC to 85ºC
Max. static load, front (e.g., snow)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Dimension(mm)	1956×1310×40
Weight	27.5kg
Frame colour	Silver/Black



Back View Unit: mm

www.sunfuturetech.com

SUNFUTURE NEW ENERGY TECHNOLOGY CO.,LTD.

NO. G124, Building 7, Shuntong Hardware & Electrical city, Shuntong Ave. Ala street office, Economic development zone, Kunming area, China (Yunnan) Free Trade Zone

TEL: +86(0871)63601319/+8613116261718

Email: info@sunfuturetech.com

Facebook: https://www.facebook.com/Sunfuture-TECH-106964277619197