

SUNFUTURE

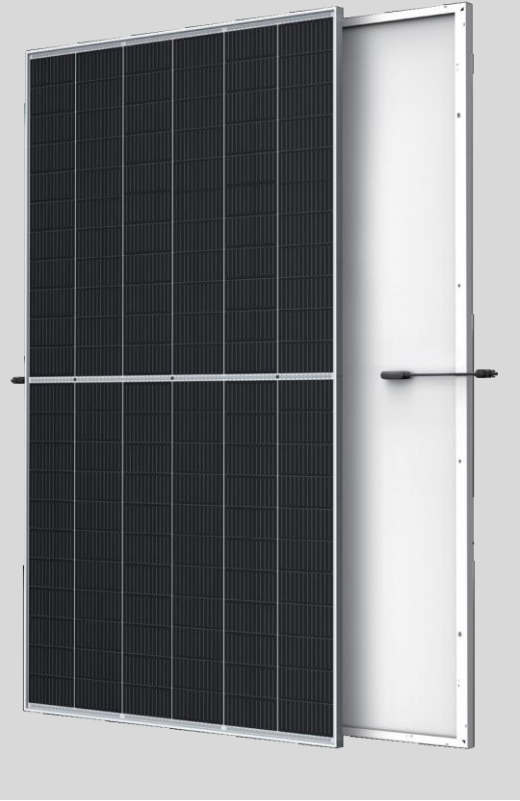


MORE BRIGHT FUTURE FROM

SF-132HCM10

SUNFUTURE

HALF CELL 505W 510W 515W 520W 525W



High transmissivity, low-iron tempered glass



Using high efficiency mono solar cells

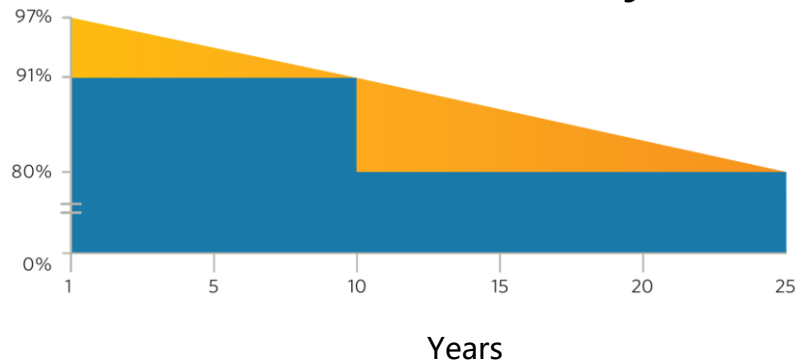


High quality junction box and connector systems



100% inspection to guarantee the reliability of solar systems

25 Years Linear Warranty



SF's Linear Performance Warranty



Industry Standard Warranty

21.80%

CELL EFFICIENCY

12 YEAR

PRODUCT WARRANTY

0~+5W

POWER TOLERANCE

BLACK *BLACK FRAME/BLACK BACK-SHEET
PRODUCTS ARE AVAILABLE UPON REQUEST

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



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More bright future from Sunfuture

20220523V05

SF-132HCM10



ELECTRICAL PERFORMANCE

Electrical parameters at STC & NOCT

Module type	SF505-132HCM10		SF510-132HCM10		SF515-132HCM10		SF520-132HCM10		SF525-132HCM10	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power-Pmax(W)	505	381	510	385	515	389	520	392.0	525	396
Module efficiency- η_m (%)	21.27	/	21.43	/	21.60	/	21.71	/	21.82	/
Voltage at Pmax-Vmp(V)	40.8	37.8	40.9	37.9	41.1	38.1	41.3	38.3	41.5	38.5
Current at Pmax-Imp(A)	12.38	10.09	12.47	10.13	12.53	10.22	12.59	10.29	12.65	10.34
Open-circuit voltage-Voc(V)	49.0	45.9	49.2	46.1	49.4	46.3	49.6	46.5	49.8	46.7
Short-circuit current-Isc(A)	13.27	10.71	13.35	10.84	13.49	10.98	13.52	11.01	13.59	11.25

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

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

THERMAL CHARACTERISTICS

Nominal operating cell temperature (NOCT)	43°C ± 2
Temperature coefficient of Pmax	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of Isc	+0.05%/°C

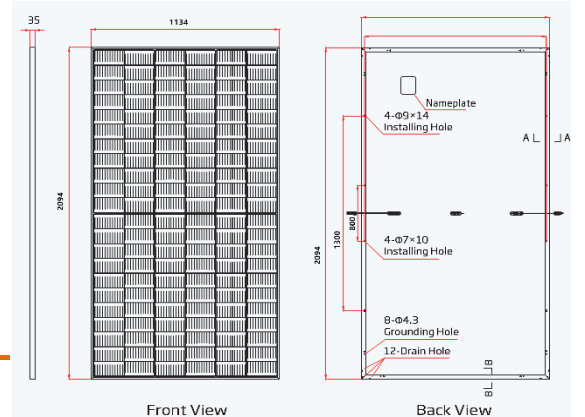
Packing Configuration

Container	40'HQ
Pieces per pallet	31
Pallets per container	22
Pieces per container	682

OPERATING CONDITIONS & DIMENSION

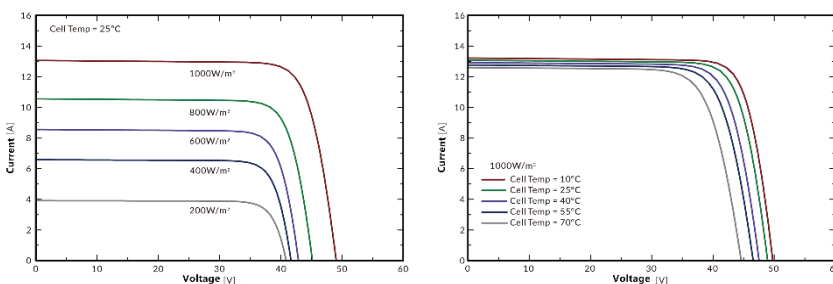
No. of cells	182MM 132 cells
Max. system voltage	1500VDC
Max. series fuse rating	25A
Operating temperature range	-40°C to 85°C
Max. static load, front (e.g., snow)	5400Pa
Max. static load, back (e.g., wind)	2400Pa
Dimension(mm)	2094×1134×35
Weight	25.5kg
Frame colour	Silver/Black

Dimension Drawing



I-V Graph

Current-Voltage & Power-Voltage Curves (SF505-132HCM10)



Unit: mm

*The above drawing is a graphical representation of the product.
*For engineering quality drawings please contact SUNFUTURE.
*OEM/ODM order is welcomed.

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