

P.O. Box 35225-00100, Nairobi, Kenya
Nairobi main warehouse | Mombasa Road, after Airtel Kenya, near Panari Hotel

PRODUCT DATASHEET

Schutten TOPCon 210R3S | 630-650 W

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Manufacturer technical information

The original manufacturer datasheet follows this company cover page. Refer to its exact model, specifications, installation requirements and limitations.

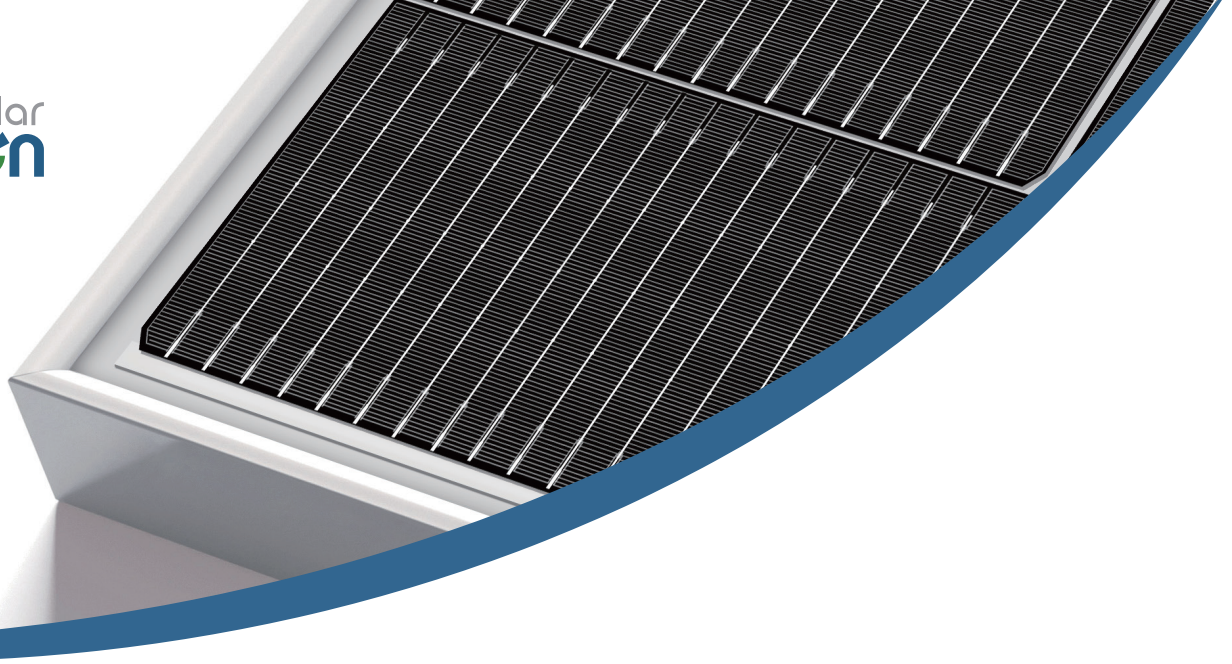
Our Technical Sales & Engineering Team will confirm suitability for your proposed system. Please use the contact button below for model availability, compatibility checks and a quotation.

This cover page does not amend manufacturer specifications, certify a particular installation or confirm warranty coverage.

WhatsApp | 0729 077 313

Call our team

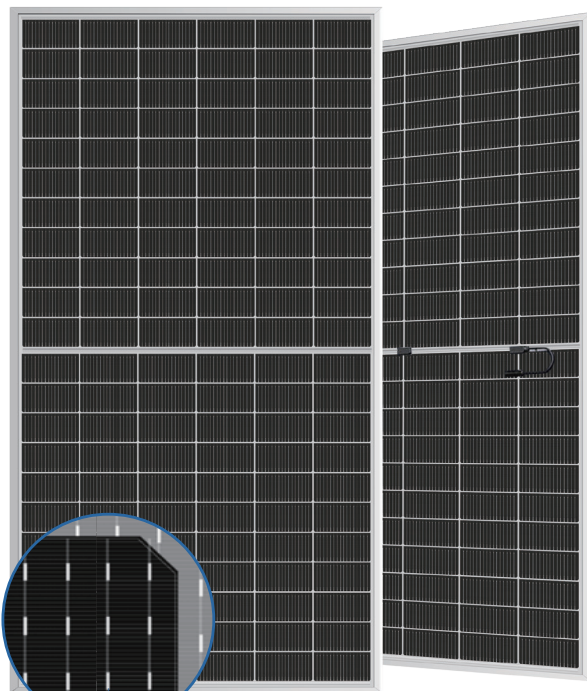
Attach this PDF in the WhatsApp chat.



TOPCon 210R3S

630-650W

STM-630-650/132-R3S



Double-sided cell technology

Higher power output **24.1%** up to

PID Resistance



Low-light Performance



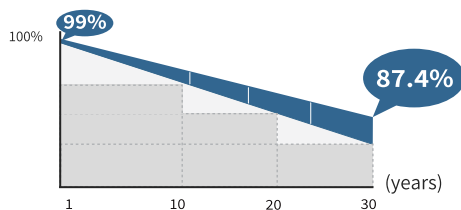
Severe Weather Resilience



Durability Against Extreme Environmental Conditions



Double-sided power generation



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
GB/T 29490-2013

12
YEARS

12-year Warranty for
Materials and Processing

30
YEARS

30-year Warranty for
Extra Linear Power Output



STM-630-650/132-R3S

630-650W

Weight

33.6kg±3%

Cells Type

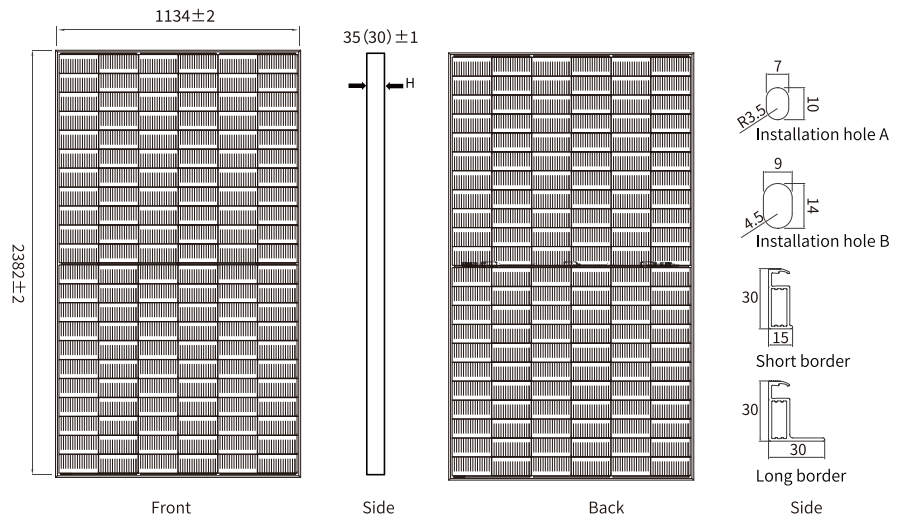
TOPCon 182-16BB

Dimension(LxWxT)

2382x1134x35(30)mm

Packaging(pcs/40HQ container)

31/620pcs 37/740pcs



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	N-type mono-crystalline
No.of cells	132(6x22)
Cable Length	300mm(+)/300mm(-)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68,3 diodes
Connector	MC4 Compatible

OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40℃~+85℃
Maximum Series Fuse	25A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Safety Class	Class II

ELECTRICAL CHARACTERISTICS

STC:AM1.5 1000W/m² 25℃ NOCT:AM1.5 800W/m² 20℃ 1m/s Test uncertainty for Pmax ±3%

Module Type	STM-630/132-R3S		STM-635/132-R3S		STM-640/132-R3S		STM-645/132-R3S		STM-650/132-R3S	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	630	475	635	478	640	482	645	485	650	489
Open Circuit Voltage(Voc/V)	49.5	46.98	49.6	47.07	49.75	47.22	49.90	47.36	50.03	47.48
Short Circuit Current(Isc/A)	16.18	13.06	16.26	13.13	16.33	13.18	16.4	13.24	16.48	13.30
Voltage at Maximum Power(Vmp/V)	41.1	38.66	41.24	38.73	41.38	38.87	41.52	39.00	41.66	39.12
Current at Maximum Power(Imp/A)	15.33	12.27	15.40	12.34	15.47	12.39	15.54	12.44	15.61	12.50
Module Efficiency(%)	23.30		23.50		23.70		23.90		24.10	

TEMPERATURE RATINGS

Norminal Operating Cell Temperature(NOCT)	45±2℃
Temperature Coefficient of Isc	+0.045%/℃
Temperature Coefficient of Voc	-0.275%/℃
Temperature Coefficient of Pmax	-0.350%/℃

POWER OUTPUT OF THE FRONT AND REAR SIDE

(REFERENCEDSPECIFICALLY TO 630WP FRONT)

Power Gain (%)	5%	10%	15%	20%	25%
Maximum Power(Pmax/W)	662	693	725	756	788
Pmax Gain(%)	24.50%	25.70%	26.80%	28.00%	29.20%

