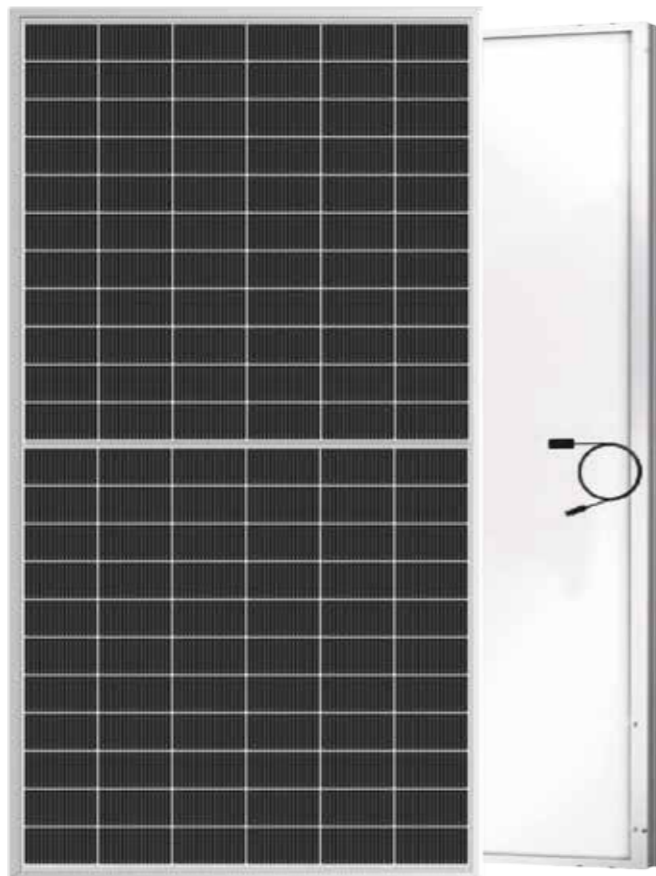


TOPCon 182 Solar Module 535-555W

STM-535-555/132-S5



Higher power output **23.4%** up to

PID Resistance



Low-light Performance



Severe Weather Resilience



Durability Against Extreme Environmental Conditions



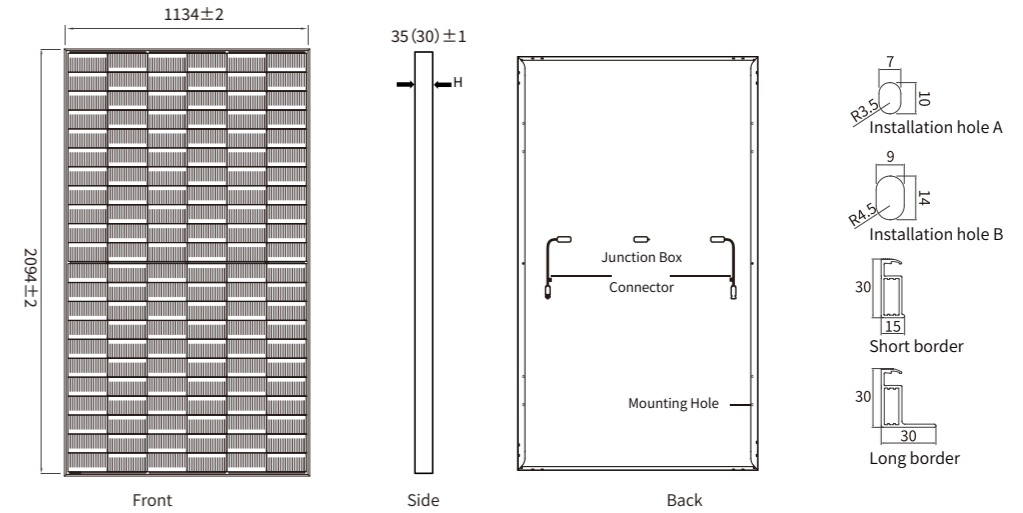
12
YEARS

12-year Warranty for Materials and Processing

30
YEARS

30-year Warranty for Extra Linear Power Output

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



Remark: customized frame color and cable length available upon request

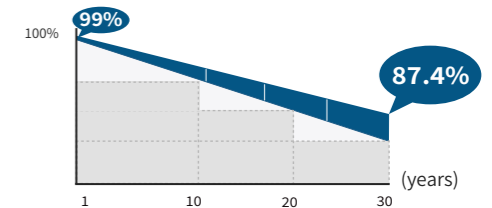
Packaging(pcs/40HQ container)	17.5 meter semi hanging	Dimensions	Weight
31/682pcs 37/814pcs	31/992pcs 37/1110pcs	2094x1134x35(30)mm	26kg±3%

MECHANICAL SPECIFICATION		OPERATING PARAMETERS	
Cell	N-type mono-crystalline	Maximum System Voltage	1500VDC
No.of cells	132(6x22)	Operating Temperature	-40°C~+85°C
Cable Length	300mm(+)/300mm(-)	Maximum Series Fuse	25A
Cable Cross Section Size	4mm ² (IEC)	Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Junction Box	IP68,3 diodes	Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Connector	MC4 Compatible	Safety Class	Class II
STC:AM1.5 1000W/m ² 25°C	NOCT:AM1.5 800W/m ² 20°C 1m/s	Test Uncertainty for Pmax	±3%

Module Type	STM-535/132-S5		STM-540/132-S5		STM-545/132-S5		STM-550/132-S5		STM-555/132-S5	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	535	403	540	406	545	411	550	414	555	418
Open Circuit Voltage(Voc/V)	48.72	46.24	48.87	46.38	49.02	46.52	49.17	46.66	49.32	46.81
Short Circuit Current(Isc/A)	14.11	11.39	14.20	11.46	14.29	11.53	14.38	11.61	14.47	11.68
Voltage at Maximum Power(Vmp/V)	40.36	37.60	40.51	37.71	40.66	37.87	40.81	37.93	40.96	38.04
Current at Maximum Power(Imp/A)	13.27	10.70	13.35	10.77	13.43	10.84	13.51	10.91	13.59	10.98
Module Efficiency(%)	22.50		22.70		23.00		23.20		23.40	

TEMPERATURE RATINGS	
Normal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.275%/°C
Temperature Coefficient of Pmax	-0.350%/°C

ADDITIONAL VALUE



I-V CURVE(STM-535-555/132-S5)

