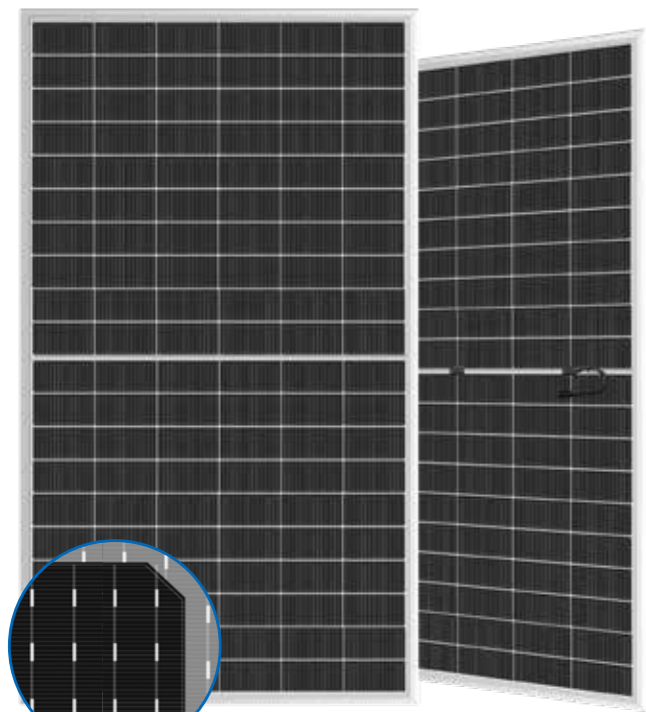


# TOPCon 210R3S

## 570-590W

STM-570-590/120-R3S



Higher power output **24.0%** up to

PID Resistance



Low-light Performance



Severe Weather Resilience



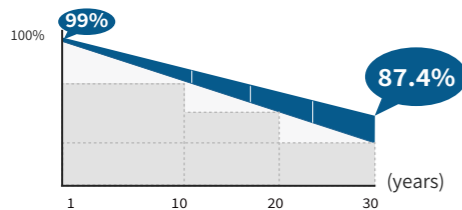
Durability Against Extreme Environmental Conditions



Double-sided power generation



Double-sided cell technology



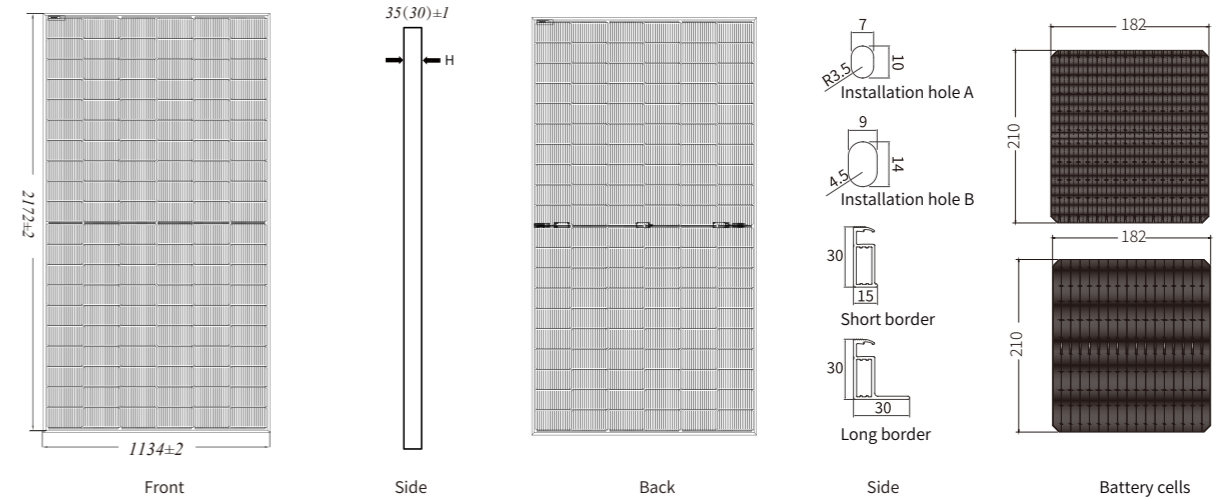
ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018  
GB/T 29490-2013

**12**  
YEARS

12-year Warranty for Materials and Processing

**30**  
YEARS

30-year Warranty for Extra Linear Power Output



Remark: customized frame color and cable length available upon request

Packaging(pcs/40HQ container)	13 meter semi hanging	Dimensions	Weight
31/620pcs 37/740pcs	31/682 37/814pcs	2172x1134x35(30)mm	31.6kg±3%

MECHANICAL SPECIFICATION		OPERATING PARAMETERS	
Cell	N-type mono-crystalline	Maximum System Voltage	1500VDC
No.of cells	120(6x20)	Operating Temperature	-40°C~+85°C
Cable Length	300mm(+)/300mm(-)	Maximum Series Fuse	25A
Cable Cross Section Size	4mm <sup>2</sup> (IEC)	Maximum StaticLoad,Front	5400Pa(112lb/ft <sup>2</sup> )
Junction Box	IP68,3 diodes	Maximum StaticLoad,Back	2400Pa(50lb/ft <sup>2</sup> )
Connector	MC4 Compatible	Safety Class	Class II
STC:AM1.5 1000W/m <sup>2</sup> 25°C NOCT:AM1.5 800W/m <sup>2</sup> 20°C 1m/s		Test Uncertainty for Pmax ±3%	

Module Type	STM-570/120-R3S		STM-575/120-R3S		STM-580/120-R3S		STM-585/120-R3S		STM-590/120-R3S	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	570	432	575	436	580	440	585	443	590	447
Open Circuit Voltage(Voc/V)	45.91	43.61	46.11	43.80	46.31	43.99	46.51	44.18	46.71	44.37
Short Circuit Current(Isc/A)	15.50	12.51	15.56	12.56	15.62	12.61	15.68	12.66	15.74	12.71
Voltage at Maximum Power(Vmp/V)	38.84	37.02	39.05	37.20	39.26	37.38	39.47	37.55	39.68	37.73
Current at Maximum Power(Imp/A)	14.69	11.67	14.74	11.72	14.79	11.76	14.84	11.81	14.89	11.85
Module Efficiency(%)	23.10		23.3		23.50		23.8		24.0	

TEMPERATURE RATINGS		POWER OUTPUT OF THE FRONT AND REAR SIDE					
Norminal Operating Cell Temperature(NOCT)	45±2°C	(REFERENCEDSPECIFICALLY TO 570WP FRONT)					
Temperature Coefficient of Isc	+0.045%/°C	Power Gain (%)	5%	10%	15%	20%	25%
Temperature Coefficient of Voc	-0.275%/°C	Maximum Power(Pmax/W)	588	616	644	672	700
Temperature Coefficient of Pmax	-0.350%/°C	Pmax Gain(%)	23.90%	25.00%	26.10%	27.30%	28.40%

### I-V CURVE(STM-570-590/120-R3S)

