

# TOPCon 210R3

## 635-655W

STM-635-655/132-R3



Higher power output **24.2%** up to

PID Resistance



Low-light Performance



Severe Weather Resilience



Durability Against Extreme Environmental Conditions



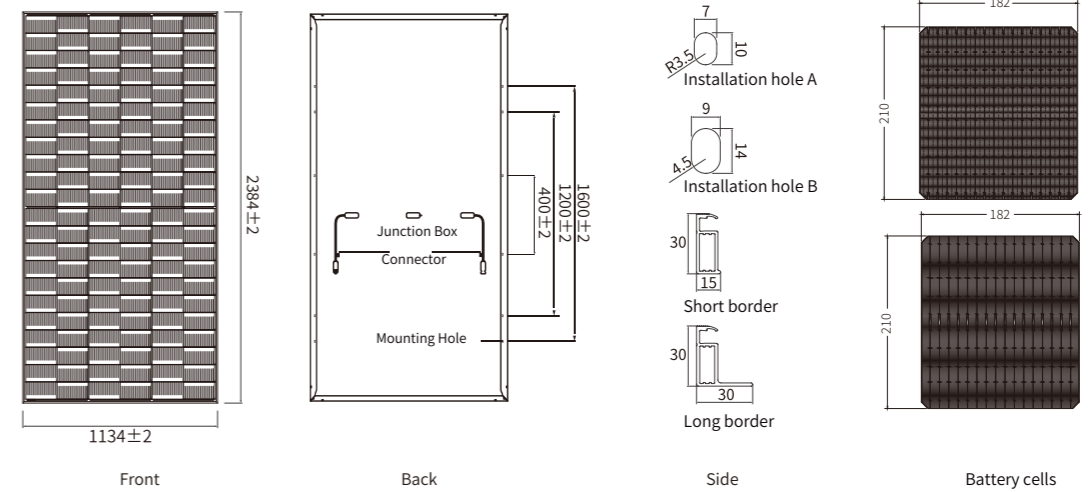
**12**  
YEARS

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

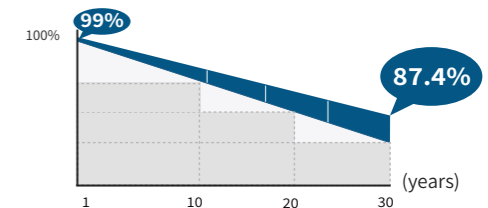
Packaging(pcs/40HQ container)	17.5 meter semi hanging	Dimensions	Weight
31/620pcs 37/740pcs	31/868pcs 37/999pcs	2384x1134x35(30)mm	29kg±3%

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 <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-635/132-R3		STM-640/132-R3		STM-645/132-R3		STM-650/132-R3		STM-655/132-R3	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition										
Maximum Power(Pmax/W)	635	481	640	485	645	489	650	493	655	496
Open Circuit Voltage(Voc/V)	48.92	46.47	49.10	46.65	49.28	46.82	49.46	46.99	49.64	47.16
Short Circuit Current(Isc/A)	16.30	13.16	16.36	13.21	16.42	13.25	16.48	13.30	16.54	13.35
Voltage at Maximum Power(Vmp/V)	41.06	39.21	41.24	39.38	41.42	39.54	41.60	39.70	41.78	39.86
Current at Maximum Power(Imp/A)	15.50	12.27	15.56	12.32	15.62	12.36	15.68	12.41	15.74	12.45
Module Efficiency(%)	23.50		23.70		23.90		24.00		24.20	

TEMPERATURE RATINGS	
Norminal 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-635-655/132-R3)

