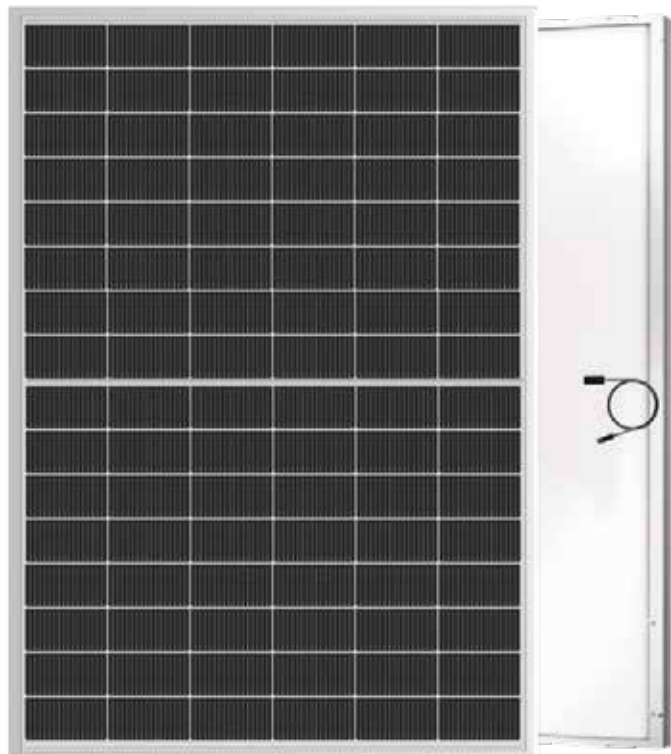


Remark: customized frame color and cable length available upon request

TOPCon 210R3

455-475W

STM-455-475/96-R3



Higher power output **23.8%** 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



Packaging(pcs/40HQ container)	17.5 meter semi hanging	Dimensions	Weight
31/806pcs 37/962pcs	31/1178pcs 37/1406pcs	1762x1134x35(30)mm	21kg±3%

MECHANICAL SPECIFICATION		OPERATING PARAMETERS	
Cell	N-type mono-crystalline	Maximum System Voltage	1500VDC
No.of cells	96(6x16)	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-455/96-R3		STM-460/96-R3		STM-465/96-R3		STM-470/96-R3		STM-475/96-R3	
	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)	455	345	460	349	465	352	470	356	475	360
Open Circuit Voltage(Voc/V)	35.98	34.18	36.16	34.35	36.34	34.52	36.52	34.69	36.70	34.87
Short Circuit Current(Isc/A)	15.93	12.86	15.96	12.88	15.99	12.91	16.02	12.93	16.05	12.96
Voltage at Maximum Power(Vmp/V)	30.15	28.75	30.37	29.01	30.59	29.27	30.81	29.53	31.03	29.79
Current at Maximum Power(Imp/A)	15.10	12.00	15.16	12.02	15.22	12.04	15.28	12.06	15.34	12.09
Module Efficiency(%)	22.80		23.00		23.30		23.50		23.80	

TEMPERATURE RATINGS		ADDITIONAL VALUE	
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		

I-V CURVE(STM-455-475/96-R3)

