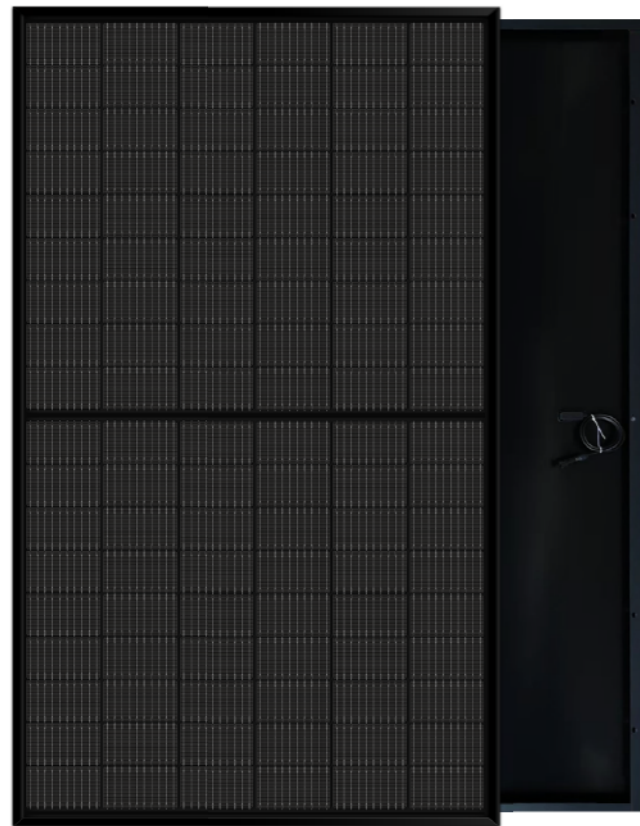


182 Full Black Solar Module

385-405W

STM385-405/108-S3B

Higher power output **20.7%** up to



PID Resistance



Low-light Performance



Severe Weather Resilience



Durability Against Extreme Environmental Conditions



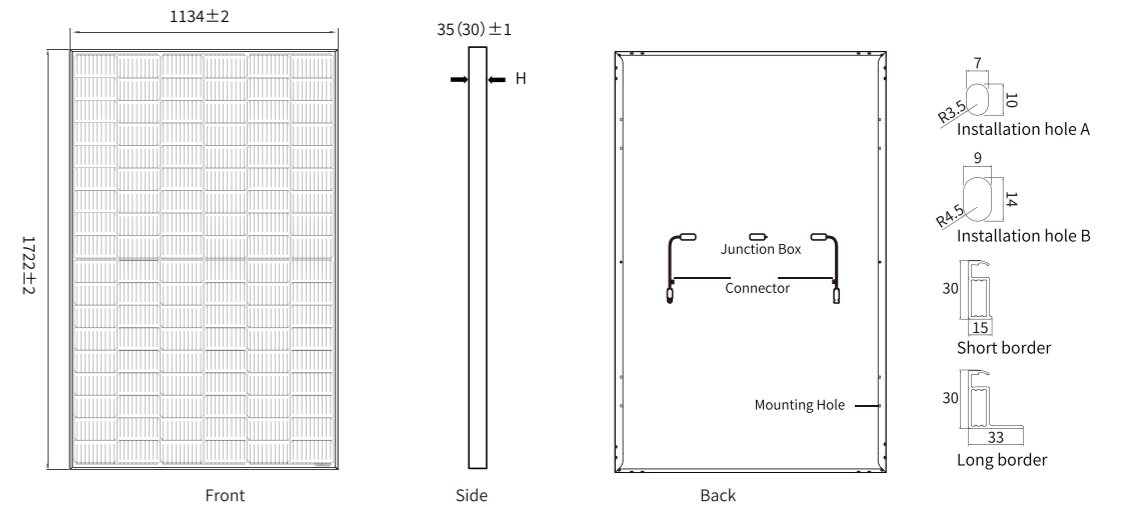
12
YEARS

12-year Warranty for Materials and Processing

25
YEARS

25-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
31/806pcs 37/962pcs	31/1426pcs 37/1480pcs	1722x1134 x35(30)mm	20kg±3%

MECHANICAL SPECIFICATION

Cell	Mono
No.of cells	108(6x18)
Cable Length	300mm(+)/300mm(-)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68,3 diodes
Connector	MC4 Compatible
STC:AM1.5 1000W/m ² 25°C NOCT:AM1.5 800W/m ² 20°C 1m/s	

OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	25A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Safety Class	Class II
Test Uncertainty for Pmax ±3%	

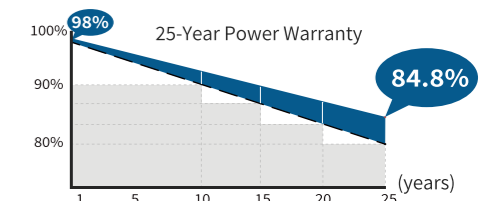
ELECTRICAL CHARACTERISTICS

Module Type	STM385/108-S3B		STM390/108-S3B		STM395/108-S3B		STM400/108-S3B		STM405/108-S3B	
	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)	385	290.0	390	293.8	395	297.6	400	301.3	405	305.1
Open Circuit Voltage(Voc/V)	36.46	34.11	36.61	34.25	36.76	34.39	36.91	34.53	37.06	34.67
Short Circuit Current(Isc/A)	13.47	10.87	13.54	10.93	13.61	10.99	13.68	11.04	13.75	11.10
Voltage at Maximum Power(Vmp/V)	30.72	28.14	30.88	28.36	31.04	28.57	31.20	28.79	31.36	29.00
Current at Maximum Power(Imp/A)	12.53	10.31	12.63	10.36	12.73	10.41	12.82	10.47	12.91	10.52
Module Efficiency(%)	19.70		20.00		20.20		20.50		20.70	

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(STM385-405/108-S3B)

