

# SHINGLED MODULE FULL BLACK

## 385-410W



### HIGH QUALITY AND RELIABLE MODULES

- Withstand up to 5400 Pa snow load and 2400 Pa wind load
- 2 EL inspections per cell/module for defect-free consistency
- 0-+5 W guaranteed positive power tolerance
- Rugged design for long-term durability; passed extended reliability tests



Black Frame  
Black Backsheet

1719 x 1140 x 35 mm



### POWER OUTPUT WARRANTY

- 20-year product warranty
- 25-year linear power output warranty
  - 1st year: min. 98 % of the maximum nominal power output
  - 2nd - 24th year: linear degradation
  - 25th year: min. 84,8 % of the maximum nominal power output



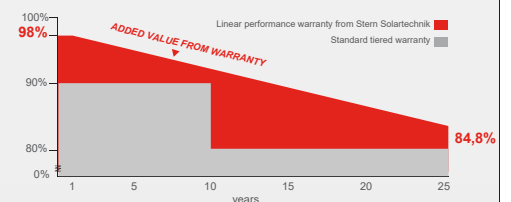
### COMPREHENSIVE CERTIFICATES FOR PRODUCTS AND MANAGEMENT

- IEC 61215, IEC 61730 and CE
- ISO 9001:2015 for Quality Management Systems
- ISO 14001:2015 for Environmental Management Systems
- ISO 18001 Occupational Health and Safety System

0~+5W  
POWER TOLERANCE

20.2%  
MAXIMUM EFFICIENCY

385-410W  
POWER OUTPUT RANGE



## Electrical Characteristics STC

STC: AM1.5 Irradiance 1000 W/m <sup>2</sup> / 25°C	ST 385 SH	ST 390 SH	ST 3J5 SH	ST 340 SH	ST 345 SH	ST 350 SH
Maximum Power (Pmax)	385 W	390 W	3J5 W	340 W	345 W	350 W
Maximum Power Current (Imp)	10.24 A	10.32 A	FEHJ A	9.09 A	9.20 A	9.31 A
Maximum Power Voltage (Vmp)	37.6 V	37.8 V	3iAV	37.4 V	37.5 V	37.6 V
Short Circuit Current (Isc)	10.6 A	10.67 A	FEI I A	9.51 A	9.55 A	9.60 A
Open Circuit Voltage (Voc)	37.6 V	46.1 V	4IH V	45.2 V	45.3 V	45.4 V
Module Efficiency	19.6 %	19.9 %	GE% %	19.6 %	19.9 %	20.2 %
Power Tolerance	0~+5 W	0~+5 W	0~+5 W	0~+5 W	0~+5 W	0~+5 W

## Electrical Characteristics NT UT

NT UT: Irradiance 800 W/m <sup>2</sup> / 20°C / Wind speed 1m/s	ST 385 SH	ST 390 SH	ST 3J1 SH	ST 340 SH	ST 345 SH	ST 350 SH
Maximum Power (Pmax)	290 W	294 W	2JIAW	253 W	257 W	261 W
Maximum Power Current (Imp)	8.09 A	8.15 A	IEGFA	7.15 A	7.24 A	7.32 A
Maximum Power Voltage (Vmp)	35.8 V	36.0 V	3IEG V	35.4 V	35.5 V	35.6 V
Short Circuit Current (Isc)	8.55 A	8.61 A	IEI A	7.67 A	7.71 A	7.75 A
Open Circuit Voltage (Voc)	43.8 V	43.9 V	4IEF V	42.8 V	42.9 V	43.0 V

## Mechanical Characteristics

Solar Cell	Mono crystalline, Shingled
Glass	High transparency, low iron, tempered glass 3.2 mm
Frame	Anodized aluminum alloy
Junction Box	IP67 rated, with 3 bypass diode
Cable	4 mm <sup>2</sup> (EU)/1000 mm long
Connector	MC4 Original
Dimension	1622x1068x35 mm
Weight	19.8 KG

## Thermal Characteristics

Pmax Temperature Coefficient	-0.34%/K
Voc Temperature Coefficient	-0.27%/K
Isc Temperature Coefficient	+0.04%/K
NMOT	42.3°C (±2°C)

## Maximum Ratings

Operating Temperature	-40~85°C
Maximum Series Fuse Rating	20 A
Maximum System Voltage	1000 V (optional 1500 V)

## Packing Information

Pieces per pallet	30
Pallets per container (40HQ)	28
Pieces per container (40HQ)	840
Pallet weight/size	635KG/1662*1068*35mm

I-V Curves at different irradiances (335W)  
Test Temperature: 25°C

