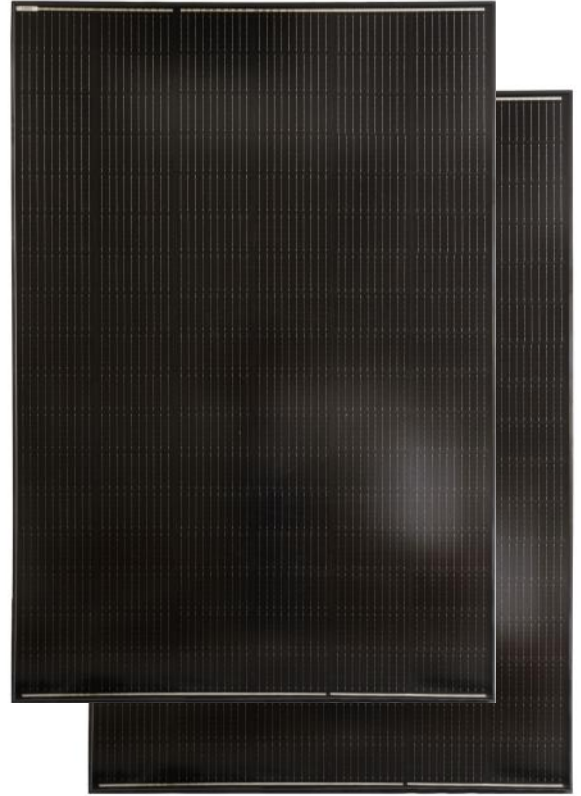


# High Performance Glass Solar Module

# 410W

## Black Solar Panel



### Multi Busbar

Better light utilization and current collection capability, Effectively improve product power output and reliability



### Shock Resistance

Tempered Glass,  
High Quality Aluminium Frame



### Aesthetic Appearance

Half cell design, High Consistency



### Easy Installation

Light weight, easy for handling



### Customized

Provide Customized Service

Quality system: ISO 9001: 2005



## Linear Performance Warranty

### linear power warranty

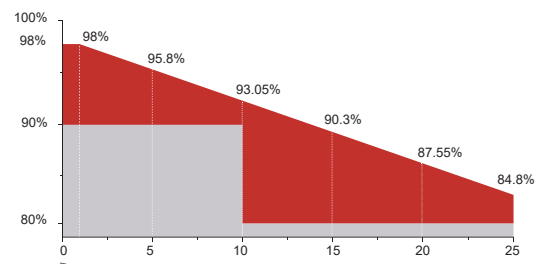


25 Year  
Linear Power Warranty



12 Year  
Product Warranty

linear power warranty Standard



## ELECTRICAL CHARACTERISTICS

STC	SA-410-G8PC
Maximum Power (P <sub>max</sub> )	410W
Maximum Power Voltage(V <sub>mp</sub> )	30.9V
Maximum Power Current(I <sub>mp</sub> )	13.29A
Open-circuit Voltage(V <sub>oc</sub> )	37.3V
Short-circuit Current(I <sub>sc</sub> )	13.90A
Module Efficiency(%)	20.87%
Operating Temperature	-40°C to 85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	20A
Application Class	Class A
Power Tolerance	0~+5W

STC:Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM=1.5

## MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon cell
Cell size	182×91mm
No. of cells	108
Module Dimensions	L:1726*W:1138*H:18 mm(Junction box15mm)
Weight	13.0 kg
Front Glass	1.6 mm tempered AR Glass
Backsheet	Black PV Backsheet
Frame	None
J-Box	IP 67
Output cables	4mm <sup>2</sup>
Cable length	(+)/(-) 500 mm
Connector	MC4 compatible

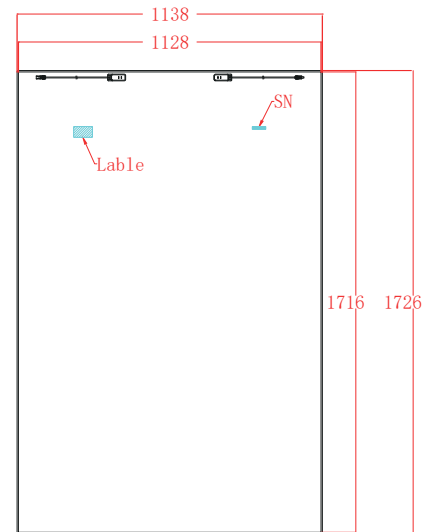
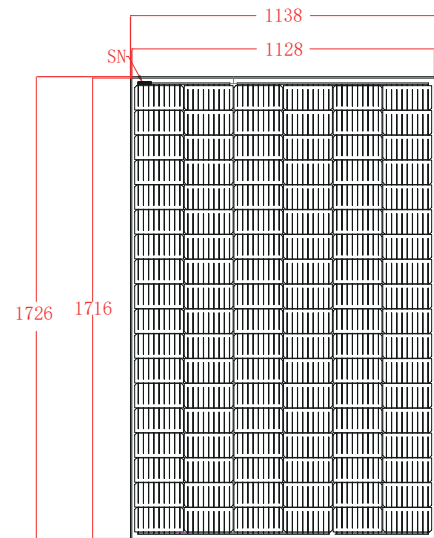
## TEMPERATURE CHARACTERISTICS

NOCT(Nominal Operating Cell Temperature)	45 ± 2°C
Temperature Coefficient of P <sub>max</sub>	-0.35%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.050%/°C

## Packaging

Container	20'GP	40'HQ
Pieces per pallet	70	70
Pieces per container	420	1820

## CHARACTERISTICS



## I-V CURVE

