

# YUKON Series

Half-Cell Monofacial Module

**445-460Wp** | **21.25%**  
Module Power Output | Max Efficiency



## Key Features



High module conversion efficiency



Better temperature coefficient



Super multi busbar technology



Low attenuation long warranty



Superior load capacity



Aesthetic appearance

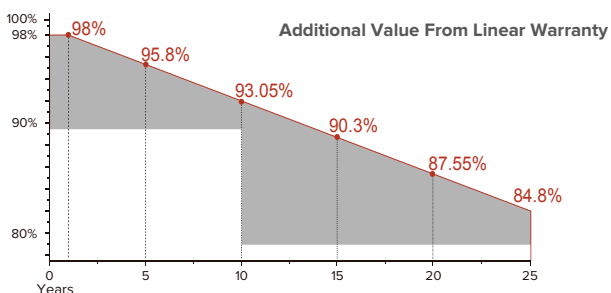


USA based liability insurance



Houston, Texas based company

## Warranty



**25** <Years>  
Guarantee on product material and workmanship

**25** <Years>  
Linear power output warranty

## Product Certification

IEC61215:2016; IEC 61730:2016; UL1703; UL61730

IEC62804 PID

IEC61701 Salt Mist

IEC62716 Ammonia Resistance

IEC60068 Dust and Sand

IEC61215 Hailstone

Fire Type (UL61730):Type1

ISO14001:2015; ISO9001:2015; ISO45001:2018



## About SEG Solar

SEG Solar is a leading manufacturer of high-performance solar panels for residential, commercial, and utility applications. The company, headquartered in Houston, Texas, is committed to providing cost-effective and reliable solar solutions that help customers reduce their energy costs and carbon footprint.



Download Datasheet

## Electrical Characteristics

| Module Type                   | SEG-445-BMB-HV |       | SEG-450-BMB-HV |       | SEG-455-BMB-HV |       | SEG-460-BMB-HV |       |
|-------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
|                               | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Maximum Power -Pmp(Wp)        | 445            | 333   | 450            | 337   | 455            | 341   | 460            | 345   |
| Open Circuit Voltage -Voc(V)  | 41.22          | 38.41 | 41.32          | 38.57 | 41.42          | 38.67 | 41.52          | 38.74 |
| Short Circuit Current -Isc(A) | 13.66          | 11.04 | 13.76          | 11.12 | 13.86          | 11.20 | 13.96          | 11.28 |
| Maximum Power Voltage -Vmp(V) | 34.18          | 31.82 | 34.28          | 31.98 | 34.39          | 32.06 | 34.49          | 32.25 |
| Maximum Power Current -Imp(A) | 13.03          | 10.48 | 13.13          | 10.56 | 13.24          | 10.64 | 13.34          | 10.71 |
| Module Efficiency(%)          | 20.56          |       | 20.79          |       | 21.02          |       | 21.25          |       |
| Power Tolerance               | (0, +3%)       |       |                |       |                |       |                |       |
| Maximum System Voltage        | 1500V DC       |       |                |       |                |       |                |       |
| Maximum Series Fuse Rating    | 25 A           |       |                |       |                |       |                |       |

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

NOCT: Irradiance 800W/m<sup>2</sup> ambient temperature 20°C module temperature 45°C wind speed: 1m/s

## Mechanical Specifications

|                        |                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------|
| External Dimension     | 1909 x 1134 x 35 mm                                                                           |
| Weight                 | 22.3 kg                                                                                       |
| Solar Cells            | PERC Mono 182 x 91mm(120 pcs)                                                                 |
| Front Glass            | 3.2mm AR coating tempered glass / low iron                                                    |
| Frame                  | Black anodized aluminium alloy                                                                |
| Junction Box           | IP68 / 3 diodes                                                                               |
| Connector Type         | PV-CO02-xy / MC4                                                                              |
| Cable Type             | 12 AWG PV Wire (UL)                                                                           |
| Cable Length           | Portrait: 400 mm(+) / 200 mm(-)<br>Landscape: 1200 mm(+) / 1200 mm(-)<br>or customized length |
| Mechanical Load(Front) | 5400 Pa / 113 psf*                                                                            |
| Mechanical Load(Rear)  | 2400 Pa / 50 psf*                                                                             |

\*Refer to SEG installation Manual for details

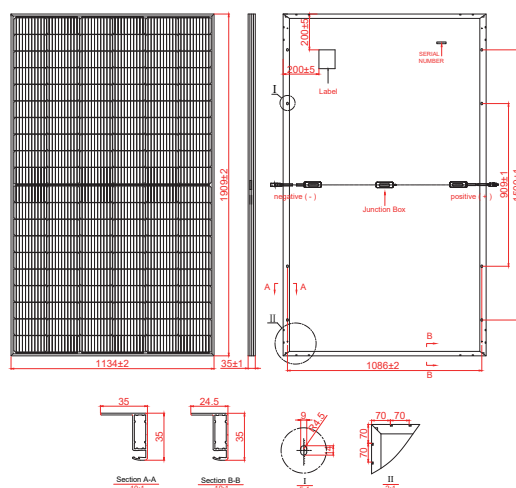
## Packing Configuration

|                       |       |       |
|-----------------------|-------|-------|
| Container             | 20'GP | 40'HQ |
| Pieces per Pallet     | 31    | 31    |
| Pallets per Container | 5     | 24    |
| Pieces per Container  | 155   | 744   |

## Temperature Characteristics

|                                           |            |
|-------------------------------------------|------------|
| Pmax Temperature Coefficient              | -0.35 %/°C |
| Voc Temperature Coefficient               | -0.27 %/°C |
| Isc Temperature Coefficient               | +0.05 %/°C |
| Operating Temperature                     | -40~+85 °C |
| Nominal Operating Cell Temperature (NOCT) | 45±2 °C    |

## Technical Drawing



\*Refer to SEG installation Manual for details

## I-V Curve

