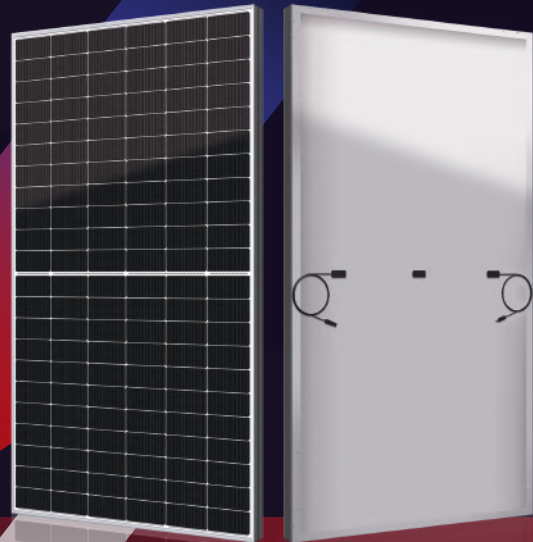


# SV SERIES

Seize the Moment, Leading the Efficiency

## 655-670W



### ● SV SERIES

SEG Solar INC. (SEG) redefined the high-efficiency module series by integrating 210mm silicon wafers with multi-busbar and half-cut cell technologies. SEG panel combined creative technology effectively and extremely improved the module efficiency and power output.

### ● KEY FEATURES

- Less mismatch to get more power
- Less power loss by minimizing the shading impact
- Competitive low light performance
- 3 times EL test to ensure best quality
- Ideal choice for utility and commercial scale projects by reduced BoS and improved ROI
- Outstanding reliability proven by PVEL for stringent environment condition:
  - Sand, acid, salt and hailstones
  - Anti-PID

### ● PRODUCT CERTIFICATION

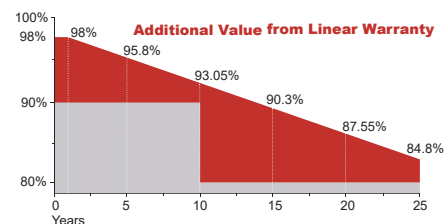
IEC61215:2016; IEC 61730:2016; UL1703; UL61730/CSA/CEC	
IEC62804	PID
IEC61701	Salt Mist
IEC62716	Ammonia Resistance
IEC60068	Dust and Sand
IEC61215	Hailstone(25mm)
Fire Type (UL61730):1/29 (Type1-HV Type29-BG)	
ISO14001:2015; ISO9001:2015; ISO45001:2018	



### ● INSURANCE

**PICC**

### ● WARRANTY



**15 YEARS** Guarantee on product material and workmanship

**25 YEARS** Linear power output warranty



### SEG SOLAR INC. (SEG)

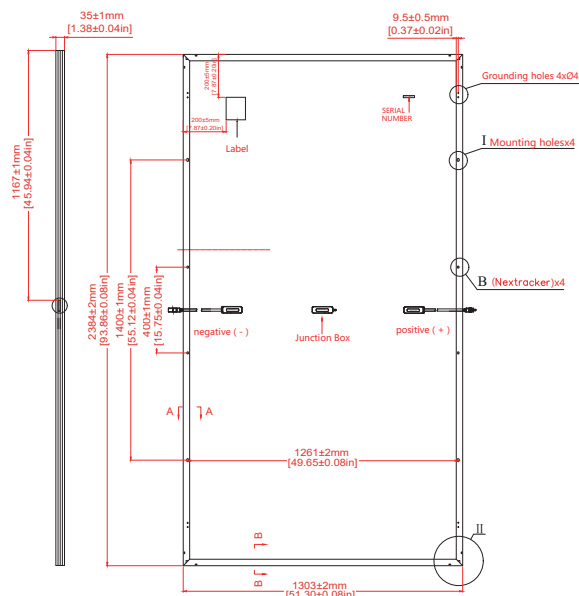
SEG Headquarter California office: 6200 Stoneridge Mall Rd., Ste 300 Pleasanton, CA 94588  
 SEG San Antonio, Texas office: 973 Isom Road San Antonio, TX 78216  
 Tel: 925-468-4198 Web: www.segsolar.com

## Electrical Characteristics

Module Type	SEG-655-BMC-HV		SEG-660-BMC-HV		SEG-665-BMC-HV		SEG-670-BMC-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power at STC (Pmp)	655	492	660	496	665	500	670	504
Open Circuit Voltage (Voc)	43.7	40.8	43.9	41.0	44.1	41.19	44.3	41.38
Short Circuit Current (Isc)	19.09	15.43	19.14	15.47	19.19	15.51	19.24	15.55
Maximum Power Voltage (Vmp)	36.62	33.59	36.82	33.81	37.02	33.98	37.22	34.15
Maximum Power Current (Imp)	17.89	14.65	17.93	14.69	17.97	14.72	18.01	14.76
Module Efficiency at STC(ηm)	21.09		21.25		21.41		21.57	
Power Tolerance	(0, +4.99)							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	30 A							

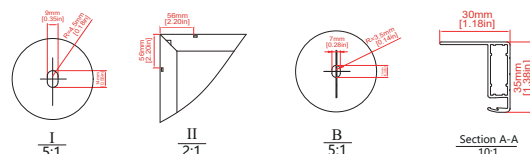
STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5

NOCT: Irradiance 800W/m<sup>2</sup> ambient temperature 20°C module temperature 45°C wind speed: 1m/s  
Power measurement tolerance: +/-3%



## Temperature Characteristics

Pmax Temperature Coefficient	-0.34 %/°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



\*Refer to SEG installation Manual for details

## Mechanical Specifications

External Dimensions	2384 x 1303 x 35 mm
Weight	34.0 kg
Solar Cells	PERC Mono (132 pcs)
Front Glass	3.2 / mm AR coating tempered glass / low iron
Frame	Anodized aluminium alloy
Junction Box	IP68 / 3 diodes
Connector Type	MC4
Cable Type / Length	12 AWG PV Wire (UL) / 1200 mm
Mechanical Load (Front)	5400 Pa / 113 psf*
Mechanical Load (Rear)	2400 Pa / 50 psf*

\*Refer to SEG installation Manual for details

## Packing Configuration

	2384 x 1303 x 35 mm
Container	40'HQ
Pieces per Pallet	31
Pallets per Container	17
Pieces per Container	527

For details, please consult SEG.

## I-V Curve

