

ALPINE Series

Half-Cell Monofacial Module

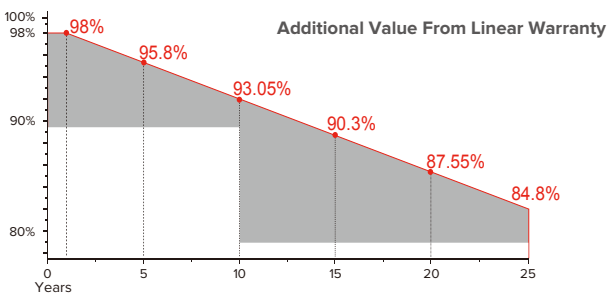
655-670Wp | **21.57%**
 Module Power Output | Max Efficiency



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



15 <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-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 -Pmp(Wp)	655	492	660	496	665	500	670	504
Open Circuit Voltage -Voc(V)	45.68	43.40	45.88	43.59	46.08	43.78	46.28	43.97
Short Circuit Current -Isc(A)	18.39	14.71	18.44	14.75	18.49	14.79	18.54	14.83
Maximum Power Voltage -Vmp(V)	37.96	35.65	38.16	35.86	38.36	36.06	38.56	36.27
Maximum Power Current -Imp(A)	17.25	13.80	17.29	13.83	17.33	13.86	17.37	13.90
Module Efficiency(%)	21.09		21.25		21.41		21.57	
Power Tolerance	(0, +3%)							
Maximum System Voltage	1500V DC							
Maximum Series Fuse Rating	30A							

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

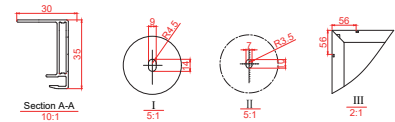
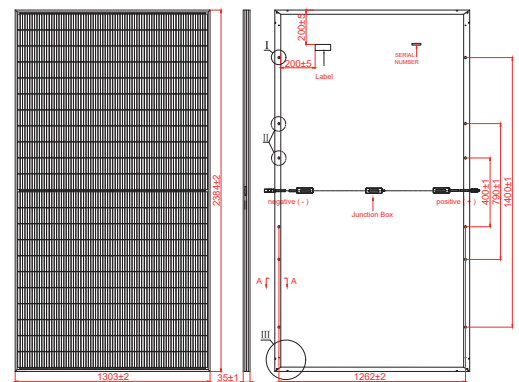
NOCT: Irradiance 800W/m² ambient temperature 20°C module temperature 45°C wind speed: 1m/s

Mechanical Specifications

External Dimension	2384 x 1303 x 35 mm
Weight	34.0 kg
Solar Cells	PERC Mono 210 x 105mm(132 pcs)
Front Glass	3.2 mm AR coating tempered glass / low iron
Frame	Anodized aluminium alloy
Junction Box	IP68 / 3 diodes
Connector Type	PV-CO02-xy
Cable Type	12 AWG PV Wire (UL)
Cable Length	Portrait: 400 mm(+) / 200 mm(-) Landscape: 1200 mm(+) / 1200 mm(-) or customized length
Mechanical Load(Front)	5400 Pa / 113 psf*
Mechanical Load(Rear)	2400 Pa / 50 psf*

*Refer to SEG installation Manual for details

Technical Drawing



*Refer to SEG installation Manual for details

Packing Configuration

Container	40'HQ
Pieces per Pallet	31
Pallets per Container	17
Pieces per Container	527

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

I-V Curve

