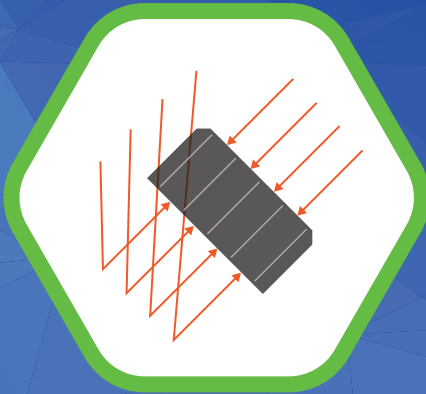


**25** YEARS  
OF ENERGISING  
CHANGE

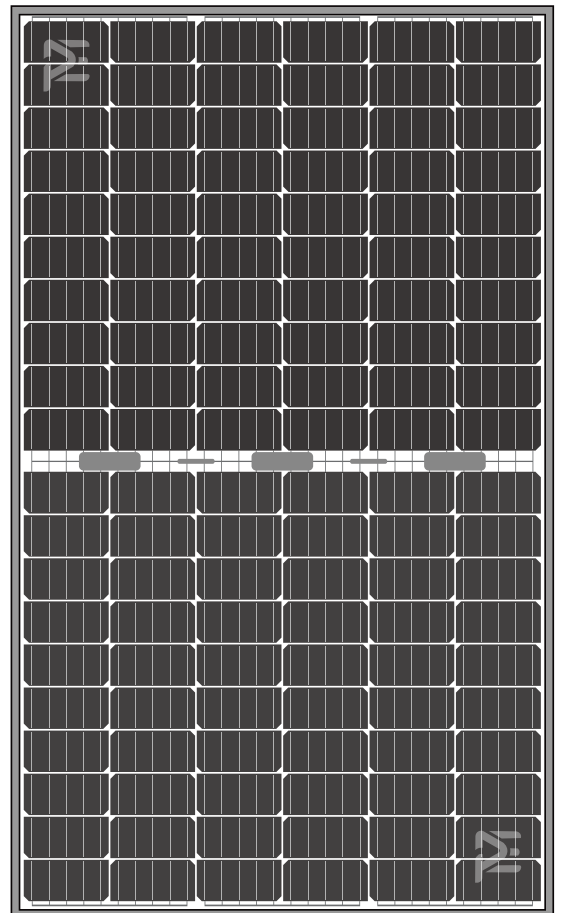
**PREMIER  
ENERGIES**  
(FORMERLY PREMIER SOLAR SYSTEMS)

**BIFACIAL MODULE WITH  
TRANSPARENT BACKSHEET**

*Dual side power generation  
with higher power output*



**120 CELL  
TRANSPARENT  
SOLAR PV MODULE  
MONO PERC  
320-335 W**



Reach us at -



[sales@premierenergies.com](mailto:sales@premierenergies.com)



[www.premierenergies.com](http://www.premierenergies.com)

## 120 Cell Transparent Solar PV Module - Mono Perc 320-335 W

### ELECTRICAL CHARACTERISTICS

Module Type	PSS-20320HM	PSS-20325HM	PSS-20330HM	PSS-20335HM
Maximum Power (Pmp)	320	325	330	335
Open Circuit Voltage (Voc)	39.31	39.35	39.39	39.43
Short Circuit Current (Isc)	10.35	10.49	10.64	10.78
Maximum Power Voltage (Vmp)	32.80	32.84	32.88	32.92
Maximum Power Current (Imp)	9.76	9.90	10.04	10.18
Module Efficiency (ηm)	18.83	19.12	19.42	19.71
Power Tolerance	(-0, +10W)			
Maximum System Voltage	1500 VDC			
Maximum Series Fuse Rating	25 A			

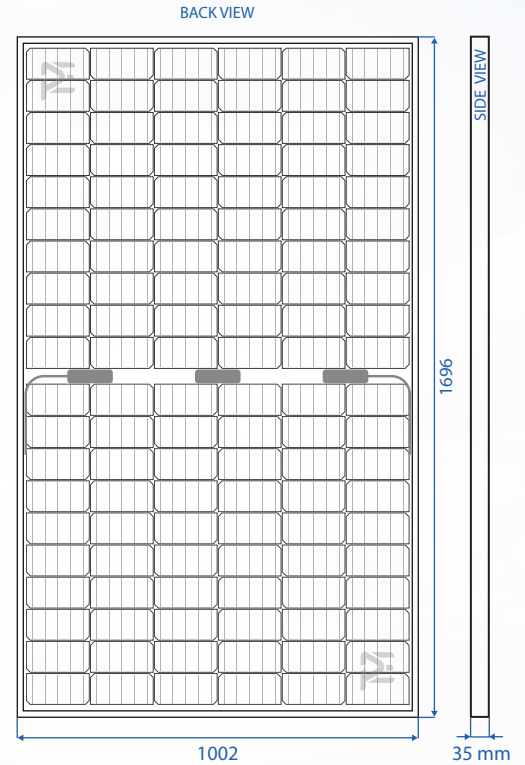
Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5

### BIFACIAL OUTPUT-REAR SIDE POWER GAIN

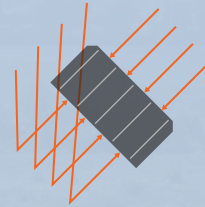
5%	Maximum Power (Pmp)	336	341	347	352
	Module Efficiency STC (%)	19.77	20.08	20.39	20.70
15%	Maximum Power (Pmp)	368	374	380	385
	Module Efficiency STC (%)	21.65	21.99	22.33	22.67
25%	Maximum Power (Pmp)	400	406	413	419
	Module Efficiency STC (%)	23.54	23.91	24.27	24.64

### TEMPERATURE CHARACTERISTICS

Pmax Temperature Coefficient	-0.29% / °C
Voc Temperature Coefficient	-0.23% / °C
Isc Temperature Coefficient	0.07% / °C
Operating Temperature	-40°C TO +85°C
Nominal Operating Cell Temperature	45 ± 2°C
Bifacial Factor	70+/-5%



### BIFACIAL MODULE WITH TRANSPARENT BACKSHEET



### KEY FEATURES:

**5 Busbar Solar Cell**

**Higher Lifetime Power Yield**

**Light weight design  
due to transparent backsheet**

**Better low-light performance**

**Up to 25% power gain  
depending on albedo  
and PV system design**

### MECHANICAL SPECIFICATIONS

External Dimensions	1696 x 1002 x 35 mm
Weight	20kg
Solar Cells	Mono PERC Crystalline 158.75 x 158.75 mm
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	3 Split, IP68 Rated
Output Cable	4.0 Sqm
Connector	MC4 Compatible
Mechanical Load	5400 Pa for Snow Load, 2400 Pa Wind Load

### PACKING CONFIGURATION

Container	20' GP	40' GP
Pieces per Pallet	31	31
Pallets per Container	12	26
Pieces per Container	372	806

For more details, please consult Premier Energies.