



# INFINITY ENERGY EUROPE

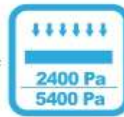
## SOYUZ SERIES 635-655

DOUBLE SIDED



### MBB Solar Cells

panels have multi-busbars that can reduce current heat loss of the cells and increase the current collection ability



### Strong and Safe

panels are certified to withstand 2400 Pa negative load of wind and 5400 Pa positive load of snow.



### 1500V System Voltage

panels are of 1500V system voltage design compatible to 1000V/1500V and reduces BoS cost greatly.



### PID-Resistant

panels are PID-resistant which were tested to the industry's most rigorous durability standards in accordance to IEC 62804.



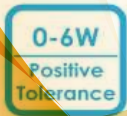
### Better Low Light Output

uses the best solar glass, cells, and assembling technology to guarantee good performance in cloudy days or low light conditions.



### Salt-resistant & Ammonia-resistant

solar panels are salt mist and ammonia resistance certified.



### Positive Tolerance

guarantees that all solar modules manufactured by Mysolar have 0-6W positive tolerance.



### Confident Warranty

15 years limited product warranty and 30 years performance warranty for the Shingled panels.



### Higher Output

With multi-busbar (5BB) cells, and 1500V system voltage, super solar glass, panels have higher output than its competitors'.

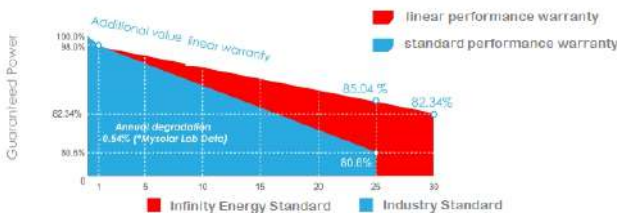


### High Reliability

has complete testing facilities for tests of UV, TC, HF, EL, etc tests. 100% of panels were tested & minimumly twice EL tests guaranteed.

## LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty- 30 Year Linear Power Warranty



ISO9001:2015 Quality management systems  
ISO14001: 2015 Quality management systems  
OHSAS18001: 2018 Occupational health and safety management systems

IEC61215, IEC61730, UL1703 certified product



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## DOUBLE SIDED

### SPECIFICATIONS (STC\*)

Module Type	IEE635M	IEE640M	IEE645M	IEE650M	IEE655M
	STC	STC	STC	STC	STC
Maximum Power (Pmax)	635Wp	640Wp	645Wp	650Wp	655Wp
Maximum Power Voltage (Vmp)	38.10V	38.20V	38.30V	38.30V	38.40V
Maximum Power Current (Imp)	16.67A	16.77A	16.87A	16.95A	17.04A
Open-circuit Voltage (Voc)	45.90V	46.00V	46.10V	46.20V	46.30V
Short-circuit Current (Isc)	17.73A	17.83A	17.93A	18.03A	18.13A
Module Efficiency STC (%)	20.70%	20.90%	21.00%	21.20%	21.30%
Operating Temperature (°C)	-40°C~+85°C				
Maximum System Voltage	1500VDC (IEC)				
Maximum Series Fuse Rating	30A				
Power Tolerance	0~+6W				
Temperature Coefficients of Pmax	-0.360%/°C				
Temperature Coefficients of Voc	-0.280%/°C				
Temperature Coefficients of Isc	0.040%/°C				
Nominal Module Operating Temperature (NMOT)	42.30±2°C				

### REARSIDE POWER GAIN (BIFACIAL OUTPUT, FOR 650W/Bifaciality 70%)

Power Gain	5%	10%	15%	20%	25%	30%
Maximum Power (Pmax)	683Wp	715Wp	748Wp	780Wp	813Wp	845Wp
Maximum Power Voltage (Vmp)	38.20V	38.20V	38.20V	38.30V	38.30V	38.30V
Maximum Power Current (Imp)	17.80A	18.65A	19.50A	20.35A	21.19A	22.04A
Open-circuit Voltage (Voc)	46.10V	46.10V	46.10V	46.20V	46.20V	46.20V
Short-circuit Current (Isc)	18.93A	19.83A	20.74A	21.64A	22.55A	23.44A

**NMOT\*** (Nominal Module Operating Temperature):

Irradiance 800W/sqm, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

\*Power measurement tolerance: -/+3%

### Mechanical Characteristics

Cell Type	Mono PERC 210×210mm
No. of cells	408 (6*68)
Dimensions	2355×1302×30mm (±1mm)
Weight	38.00KG ±2%
Glass	2.0mm Anti-Reflection Coating, High Transmission, Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP68 Rated, 3 diodes
Cable & Connector	4mm <sup>2</sup> cable: 800mm MC4 compatible

### Packaging Info

(Two pallets = One stack)

36pcs/pallet, 576pcs/40'HQ Container

