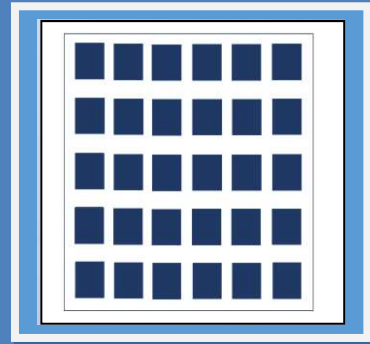


ST-BiGlass M-145 W

MULTICRYSTALLINE SOLAR MODULE

Great Reliability and High Power Output



A new Concept of Photovoltaic Solar Modules

Innovative Technology

Linea Module uses the innovative i-Cell technology. The design of Linea Module is an advance in module innovation. We teamed with renowned institutes and manufacturers to develop process and build advanced equipment to fabricate PV modules delivering high performance that guarantees a fast return of investment

30 Cell Equivalent MULTICRYSTALLINE MODULE

140 - 150 W POWER OUTPUT RANGE

CERTIFICATION

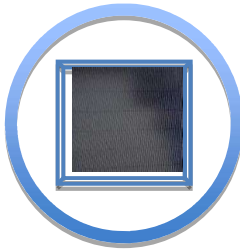


Features



Power Gain

The Linea Module design reduces to zero the electrical resistance losses that allowing power gain compared to classical PV modules.



Great Aesthetics

No Copper Busbar in front side
Custom fingers design available



High Reliability

All modules must pass EL inspection

Improved shade performance due to sophisticated internal design of module

Made in France



Great BOS Cost Saving

High efficiency modules resulting to the reduction of surface needed and to the investment on Balance Of Systems, BOS

Electrical Characteristics

MODULE RATINGS AT STANDARD TEST CONDITIONS (1000 W/m², AM 1.5, 25°C)

Electrical DATA @ STC	Linea 140 W	Linea 145 W	Linea 148 W
Nominal Power at STC (Pmp/W)	140	145	148
Power OutPut Tolerance (%)	-/+5	-/+5	-/+5
Short Circuit Current (Isc /A)	6.30	6.38	6.61
Open Circuit Voltage (Voc /V)	27.62	28.01	28.05
Maximum Power Current (Imp/A)	6.04	6.15	6.30
Maximum Power Voltage (Vmp/V)	23.22	23.58	23.61

RATINGS AT NOMINAL OPERATING CELL TEMPERATURE OF 45°C (800 W/m², 20°C, AM 1.5, 1m/s wind speed)

Electrical DATA @ NOCT	Linea 140 W	Linea 145 W	Linea 148 W
Nominal Power at STC (Pmp/W)	111.6	115	118
Short Circuit Current (Isc /A)	5.04	5.10	5.28
Open Circuit Voltage (Voc /V)	27.5	27.89	27.94
Maximum Power Current (Imp/A)	4.83	4.91	5.04
Maximum Power Voltage (Vmp/V)	23.1	23.47	23.51

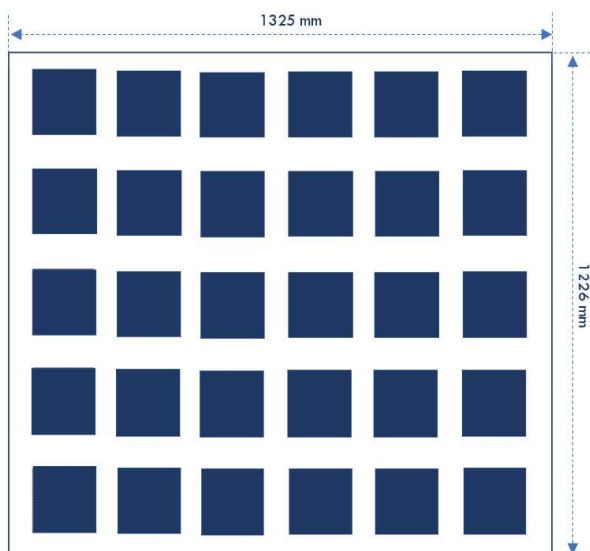
Temperature Characteristics

Nominal Operating Temperature	45±2°C
Temperature Coefficient of Pmax	-0.40 %/°C
Temperature Coefficient of Voc	-0.32 %/°C
Temperature Coefficient of Isc	+0.064 %/°C

Maximum Ratings

Operating temperature (°C)	-40 to +85
Maximum series Fuse IR	15 A
Maximum System Voltage	1000 V
Maximum load	2400 Pa
Max Reverse Current	25 A
Fire classification (Europe)	C

Mechanical Parameters



Solar cells	Multicrystalline
Number of string	6
Junction Box	PV EDGE J BOX
Output Cable	4mm ² , 1200mm inlength
Connector	MC4 Compatible
Modules Dimensions	1325x1226x9mm
Weight	35 kg
Double Glasses	Tempered Glass-4.0 mm
Frame	No (Gray or Black Anodized Aluminum Alloy available)
Package	15 pcs per Pallet

Note ! Specifications subject to change without notice

Certification

IEC 61215 - ed2
IEC 61730 - ed1
Certisolis certification

Warranty

Product Warranty	5 years
Output Warranty of Pmax	Linear Warranty ¹

¹The STile Module warranted to deliver in 1st year. 97%, then decline to by 0.6% annual degradation, ending 82 % for 25 years