

# Flexible photovoltaic panels

## POLYCRISTALLINE



### Technologically superior frontsheet

New F-EFTE2, scratch-resistant with light orientation system



### High efficiency

Thanks to the use of full square polycrystalline up to **20% efficiency**



### Walkable

Thanks to the properties of high resilience polymers and the seven layers technology



### Microcracking management

Thanks to Gwire technology – seamless no welding cells contact



### Lightness

Weight about 1/8 compared to glass panels



### Flexibility

They adapt to all surfaces, even those curves



### High resistance

to the salt mist, hot environments



### Certified

IEC 61701: 2011 Salt spray - IEC 61215 10.17 - powered by KIWA



### Made in Italy

designed and produced by Fly Solartech Solutions



### Thin

only 2 mm



Fly Solartech with the Giocosolutions brand has developed, patented and produces the latest generation of flexible photovoltaic panels, made with the innovative "G Wire" technology and the new front sheet in a scratch-resistant plastic polymer called F-ETFE2. Produced with special technopolymers that allow to improve efficiency and have a weight of about 1/8 compared to classic glass panels. The S2 lin panels combine the performance of the Gwire technology, a no-welding contacting system consisting of a network of silver filaments, with complete transparency without reflections of the new F-ETFE2 technopolymer.

IEC 61701:2011  
Nebbia salina



IEC 61215  
10.17



powered  
by KIWA



GIOCO SOLUTIONS®



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Electrical characteristics	GSP 155 S2	GSP 140 S2	GSP 105 S2	GSP 85Q S2	GSP 76L S2
V P <sub>MAX</sub> (V)	19,44	17,28	25,38	21,62	18,90
P <sub>MAX</sub> (A)	8,02	8,14	4,15	4,05	4,05
P <sub>MAX</sub> (Watt)	155,83	140,68	105,43	85,29	76,54
V <sub>CA</sub> (V)	23,22	20,64	29,67	25,15	22,58
ICC (I)	8,53	8,67	4,42	4,31	4,31
EFFICIENCY%	14,98	15,10	15,35	14,75	14,27
Dimensions	GSP 155 S2	GSP 140 S2	GSP 105 S2	GSP 85Q S2	GSP 76L S2
H (mm)	1530	1375	1010	890	1490
L (mm)	680	680	680	680	360
S (mm)	2	2	2	2	1,5
WEIGHT (Kg)	2,60	2,33	1,62	1,51	1,42

#### TEMPERATURE COEFFICIENTS

V <sub>CA</sub> (V)	-0,330%/°C
POT (WP)	-0,46%/°C
ICC (A)	+0,036%/°C
NOCT	42 °C

#### LIMIT VALUES

SYSTEM VOLTAGE	600 V DC
OVER-CURRENT PROTECTION	15 A
TEMPERATURE RANGE	-40 ° TO +90 ° C

## Fixing options



Structural  
bi-adhesive



Tenax



Stainless  
steel eyelets



Zip



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