

Flexible photovoltaic panels

HIGH EFFICIENCY MONOCRYSTALLINE



Technologically superior frontsheet

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



High efficiency

Thanks to the use of Full Square Monocrystalline cells with more than 21% 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



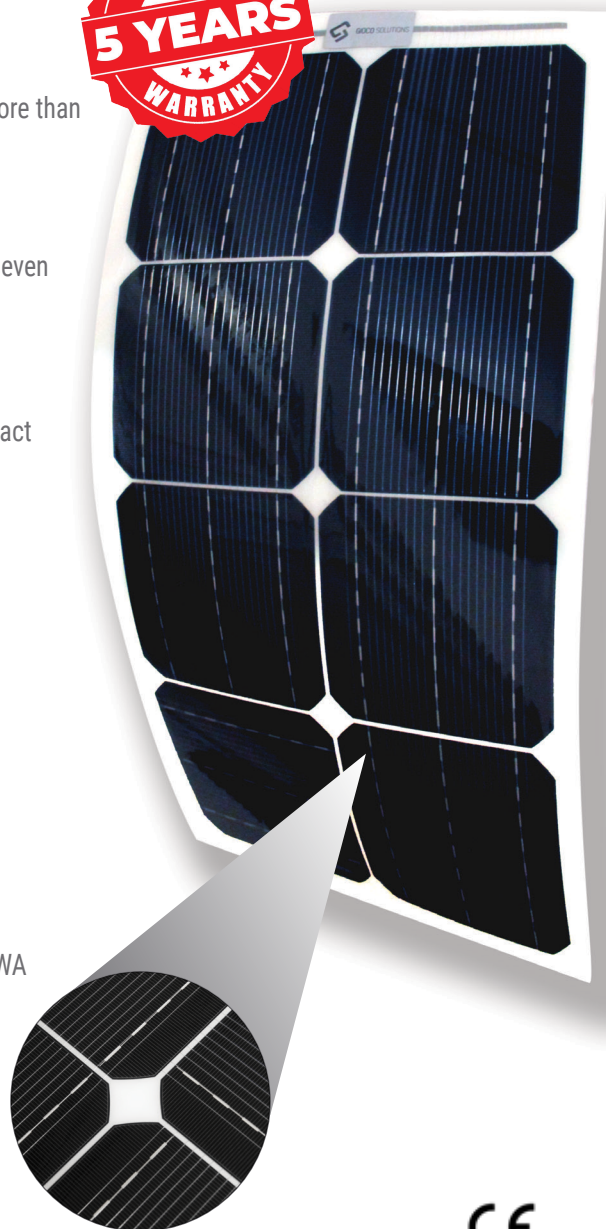
Made in Italy

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-EFTE2. 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-EFTE2 technopolymer.



IEC 61701:2011
Saline mist



IEC 61215
10.17



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Electrical characteristi	GSC 175 S2	GSC 155 S2	GSC 105 S2	GSC 99Q S2	GSC 95 S2	GSC 86L S2	GSC 57L S2
V P _{MAX} (V)	20,88	18,56	20,16	11,6	17,92	20,3	13,34
I P _{MAX} (A)	8,45	8,45	5,26	8,54	5,31	4,26	4,27
P _{MAX} (W _a)	176,39	156,79	105,99	99,02	95,18	86,64	56,94
V _{CA} (V)	23,40	20,8	23,04	13	20,48	22,75	14,95
I _{CC} (I)	8,83	8,83	5,63	8,92	5,68	4,46	4,46
EFFICIENCY%	16,95	16,77	15,42	16,36	15,32	16,15	15,66
Dimensions	GSC 175 S2	GSC 155 S2	GSC 105 S2	GSC 99Q S2	GSC 95 S2	GSC 86L S2	GSC 57L S2
H (mm)	1530	1375	1200	890	1050	1530	1010
L (mm)	680	680	540	680	540	360	360
S (mm)	2	2	2	2	2	2	2
WEIGHT (Kg)	2,6	2,33	2,33	1,51	1,42	1,37	0,9

TEMPERATURE COEFFICIENTS

V _{CA} (V)	-0,32%/°C
I _{CC}	-0,45%/°C
P _{max}	+0,04%/°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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