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Web: **EnergyPal.com/solar**

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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Giocosolutions Srl**

**GSP 65L-145**

**GSP 80Q**

Also available on the web at  
[EnergyPal.com/giocosolutions-srl-solar-panels/gsp-80q](http://EnergyPal.com/giocosolutions-srl-solar-panels/gsp-80q)

# Flexible photovoltaic panels

POLYCRYSTALLINE

ENERGY IN FREEDOM



## More energy each day

Thanks to the use of low metallization cells which allow a better efficiency of the panel



## Flexible

Adapt to all surfaces, even curves



## High resistance and Walk on panels

Possibility of walking on panels thanks to the use of high resiliency techno-polymers



## Microcracking managing

Thanks to the new G Wire technology with highly conductive silver alloy contacts



## Light & thin

1/8 weight respect to standard glass panels, just 1.5 mm thin



## High resistance to marine environment

Certified IEC 61701:2011 against salty mist



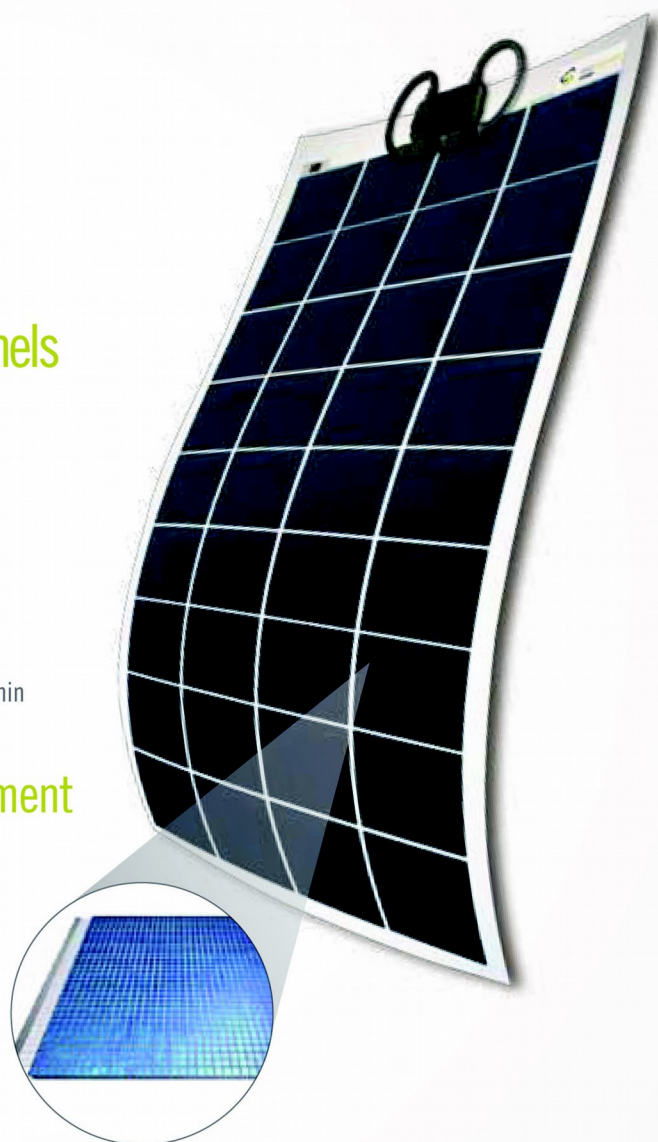
## Easy to be integrated

Using adhesive, eyelets, tenax and zip



## Made in Italy

Developed and produced by Giocosolutions



Giocosolutions has developed a type of flexible photovoltaic panel realized with a new intercontacts technology in highly conductive silver-alloy contacts; these products are made of techno- polymers which give them a higher efficiency and a weight of about 1/8 compared to the traditional glass panels.

The specific contacting methodology-together with the use of polycrystalline cells with high efficiency has led to realize panels with more energy every day.



IEC 61701:2011  
Saline mist



IEC 61215  
10.17



powered  
by KIWA



GIOCO SOLUTIONS®



GIICOSOLUTIONS.COM



Electrical characteristics	GSP 145	GSP 130	GSP 80 Q	GSP 73L	GSP 65Q	GSP 65L
V PMAX (V)	18,75	16,64	10,4	9,36	8,32	8,32
I PMAX (A)	7,87	7,87	7,87	7,87	7,87	7,87
PMAX (WATT)	147,36	131,0	81,87	73,68	65,50	65,50
VCA (V)	22,32	19,84	12,40	11,16	9,92	9,92
ICC (I)	8,16	8,16	8,16	8,16	8,16	8,16
EFFICIENCY %	14,38	14,22	13,89	13,94	13,58	13,86

Dimensions	GSP 145	GSP 130	GSP 80Q	GSP 73L	GSP 65Q	GSP 65L
H (mm)	1530	1375	890	1530	730	1375
L (mm)	680	680	680	360	680	360
S (mm)	1,5	1,5	1,5	1,5	1,5	1,5
WEIGHT (Kg)	2,60	2,31	1,45	1,34	1,21	1,21

#### TEMPERATURE COEFFICIENTS

VCA (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

ON GRID  
Warranty



OFF GRID  
Warranty



Installation  
Manual



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