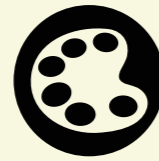
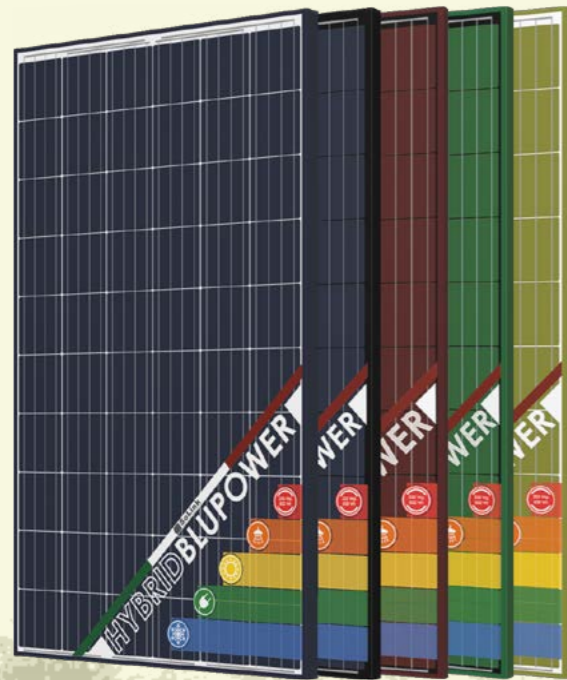


DESIGN SERIES



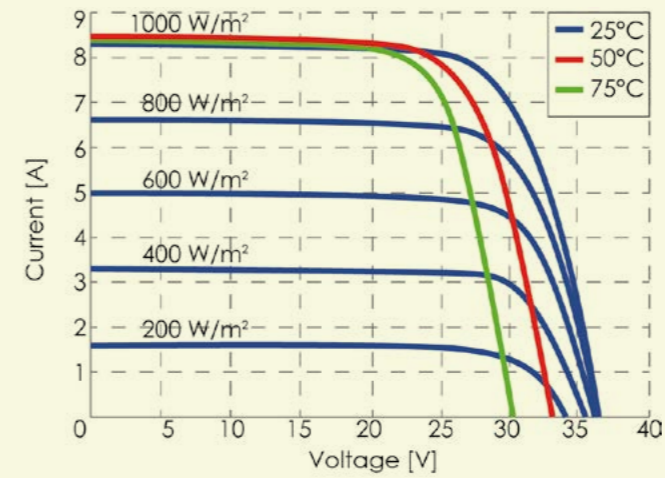
AVAILABLE IN 5 DIFFERENT COLOURS
Hybrid Design Series is available in 5 different colours: Blue, Black, Red, Green and Gold



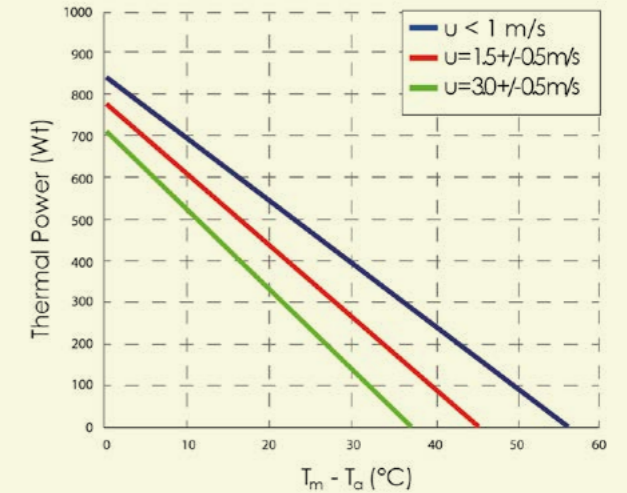
DESIGNED FOR BUILDING INTEGRATION
Avoid landscape and urban constraints by integrating the perfect coloured panel in your building



RANGE FROM 245 TO 280 Wp
The panels of Design Series are available in the sizes of 245-250 Wp (Red, Green, Gold) and 255-260-265-270-275-280 Wp (Blue and Black)



I-V curves with different irradiance and cells temperature



Thermal collector output power trend with different wind speed

Thermal Data		
Nominal Thermal Power	W	849 +/- 14
Aperture Area	m ²	1,45
Max Temperature	°C	83
Max Flow	lit/min	2
Zero-loss Efficiency (Gross Area)	η_0	0,517
Loss Coefficients (Gross Area)	b_u	0,051 s/m
	b_1	9,177 W m ⁻² K ⁻¹
	b_2	0,860 J m ⁻² K ⁻¹

Irradiance=1000W/m2 AM=1,5 Tm-Ta=0K Mean flow=0.028 kg/s

General Data	
Cell Type	Polycrystalline silicon
Glass Thickness	3,2 mm (Tempered, anti reflective)
Frame	Anodized painted AL
Junction Box	IP 67 rating, 3 Bypass diodes
Output Cables	E317230-C PV 4 mm ² Cable

Dimensions (mm)		
Width	L	991
Height	H	1649
Thickness	P	35

Hybrid Design Series combines Hybrid Technology with the coloured PV. Thank to this coupling a very efficient and extremely suitable product gets born. Available now in 5 different colours it is essential to bring SoLink's Hybrid PV technology in those project in which building integration is necessary. Design series panels have next generation "plus" PV cells (with A grade positive tolerance): technology and design to realize perfect integrated systems with the environment, existing building and building trends.

UNI 9177
FIRE RESISTANCE CLASS 1



IEC EN 61215
AMMONIA RESISTANCE



IEC TS 62804-1
HIGH TEMPERATURE TEST(60°C 85%RH)



IEC 61701
SALIN MIST RESISTANCE



EN 61215
HAIL TEST



EN 61215
MAX LOAD (5400 Pa)



Hybrid Green/Red/Gold Power

Hybrid Blu/Black Power

Electrical Data (STC)	HP245/..	HP250/..	HP255/..	HP260/..	HP265/..	HP270/..	HP275/..	HP280/..
Open Circuit Voltage (VOC)	38,1 V	38,4 V	38,9 V	39,0 V	39,2 V	39,4 V	39,6 V	39,7 V
MPP Voltage (Vmp)	30,1 V	30,3 V	30,2 V	30,2 V	31,5 V	31,5 V	31,7 V	31,8 V
Short Circuit Voltage (Isc)	8,65 A	8,75 A	8,85 A	9,00 A	9,10 A	9,25 A	9,35 A	9,50 A
MPP Current (Ipm)	8,15 A	8,25 A	8,45 A	8,60 A	8,70 A	8,85 A	8,95 A	9,10 A
Nominal Power (Pmax)	245 Wp	250 Wp	255 Wp	260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
Module Efficiency	15,0%	15,3%	15,6%	15,9%	16,2%	16,5%	16,8%	17,1%
Max System Voltage (DC)	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V
Max Reverse Current	13 A	13 A	13 A	13 A	13 A	13 A	13 A	13 A
Operating Temperature	-40+85°C	-40+85°C	-40+85°C	-40+85°C	-40+85°C	-40+85°C	-40+85°C	-40+85°C

Irradiance=1000W/m2 AM=1,5 Tcells= 25°C

Mechanical Specifications	
Impact Resistance	25mm-23m/s
Max Load	5400 Pa
Number of PV cells	60 (156x156mm)
Weight	25 Kg

Temperature Coefficient	
NOCT	46 +/- 2°C
Power Temperature Coefficient	0,42% / °C
Voltage Temperature Coefficient	0,33% / °C
Current Temperature Coefficient	0,05% / °C