

# FACTORY SERIES



## CHEAP

Hybrid Factory Series is SoLink's cheaper Hybrid PV panel even if maintains quality and high level performances.



## DESIGNED FOR BIG SYSTEMS

Dove contano le prestazioni complessive piuttosto che l'estetica.



## UNCOATED FRAME

Hybrid Factory Series is in non-painted anodized aluminium. Perfect wherever price performance can make the difference.

Hybrid Factory Series is designed for both small or big sized systems, where the aesthetic quality of the product is secondary to efficiency and reliability. The PV cells of this series are different in shades of colour, therefore non selected. This crafting process allows the price drop of the panel without modifying performances.

**UNI 9177**  
FIRE RESISTANCE CLASS 1



**IEC EN 61215**  
AMMONIA RESISTANCE



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



**IEC 61701**  
SALT MIST RESISTANCE



**EN 61215**  
HAIL TEST



**EN 61215**  
MAX LOAD (5400 Pa)



Factory Series is perfect for:



HOTELS



FACTORIES



SWIMMING POOLS



HOUSES



HOSPITALS



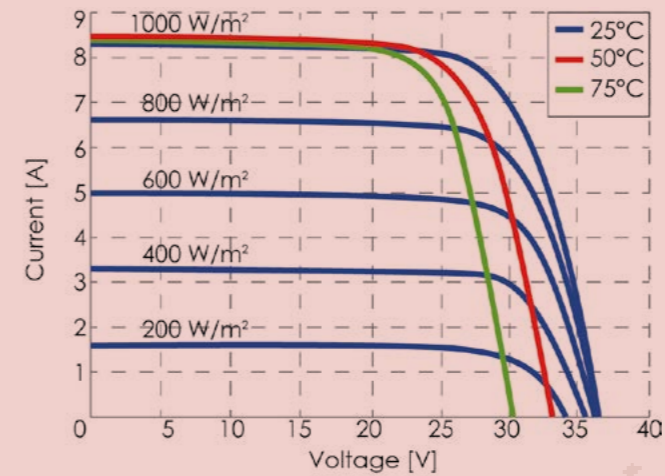
PUBLIC BUILDINGS



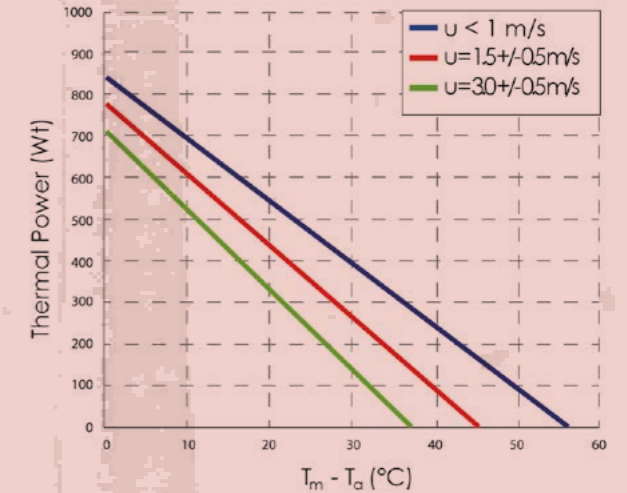
SHOPPING MALLS



FARMING



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 <sup>2</sup>	1,45
Max Temperature	°C	83
Max Flow	lit/min	2
Zero-loss Efficiency (Gross Area)	$\eta_0$	0,517
Loss Coefficients (Gross Area)	$b_u$	0,051 s/m
	$b_1$	9,177 W m <sup>-2</sup> K <sup>-1</sup>
	$b_2$	0,860 J m <sup>-3</sup> K <sup>-1</sup>

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 <sup>2</sup> Cable

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

Electrical Data (STC)	HP260/..	HP265/..	HP270/..	HP275/..	HP280/..
Open Circuit Voltage (VOC)	39,0 V	39,2 V	39,4 V	39,6 V	39,7 V
MPP Voltage (Vmp)	30,2 V	31,5 V	31,5 V	31,7 V	31,8 V
Short Circuit Voltage (Isc)	9,00 A	9,10 A	9,25 A	9,35 A	9,50 A
MPP Current (Ipm)	8,60 A	8,70 A	8,85 A	8,95 A	9,10 A
Nominal Power (Pmax)	260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
Module Efficiency	15,9%	16,2%	16,5%	16,8%	17,1%
Max System Voltage (DC)	1000 V	1000 V	1000 V	1000 V	1000 V
Max Reverse Current	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

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