

HORUS

220P - 255P



Top performance
PV module made in Italy



anodized aluminium
with strengthened angular



VISIT www.solargreenenergy.it

Remedia
PASSION FOR THE ENVIRONMENT



Company certification: iso 9001:2008;
14001:2004; ohsas 18001:2007



Product certifications:
IEC/EN 61215 ed II
IEC/EN 61730-1
IEC/EN 61730-2:2007
EN 61701



Pending

**10
YEARS**

10 years material
& workmanship warranty



High performance
in low light conditions



Wind load Resistance 3800 Pa

**25
YEARS**

25 years power
output warranty



high resistance atmospheric
agents TÜV certified



Hailstorm impact resistance
Ø28mm at 86 Km/h

±3_{wp}

Positive guaranteed power
tolerance (Premium Series)



Anodized aluminium frame
is extremely resistant
to torsion and corrosion



Heavy loads resistance (snow)
551 Kg/m²
permanent static loads



Solar Green adopted a production process based on high level automation which uses anthropomorphic robots to guarantee the highest level of quality available on the market. Quality tests follow the whole process step by step.

The complete control of process and components is the basic tenet applied by Solar Green Energy in its plant located in Burago di Molgora (Milan)

TECHNICAL DATA SHEET

ELECTRICAL PERFORMANCE STC*

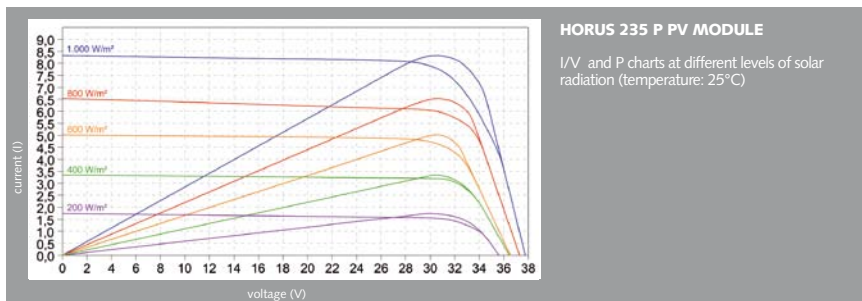
Maximum power at STC (Pmax)	Wp	220P	225P	230P	235P	240P	245P	250P	255P
Open circuit voltage (Voc)	V	36,74	36,90	37,09	37,25	37,44	37,60	37,79	37,95
Maximum power voltage (Vmp)	V	28,04	29,08	29,10	29,14	29,15	29,19	29,27	29,31
Short circuit current (Isc)	Isc	8,25	8,40	8,50	8,65	8,75	8,89	8,90	9,10
Maximum power current (Imp)	A	7,60	7,84	7,92	8,16	8,24	8,48	8,67	8,91
Cell efficiency	%	15,70	15,90	16,27	16,64	17,01	17,30	17,40	17,70
Module efficiency	%	13,25	13,55	13,85	14,15	14,45	14,76	15,06	15,36

*STC (1000W/m², 25°C, A.M. 1,5)

ELECTRICAL PERFORMANCE NOCT*

Maximum power at NOCT (Pmax)	Wp	164,40	168,20	172,00	174,00	178,00	180,00		
Open circuit voltage (Voc)	V	33,97	34,16	34,25	34,34	34,45	34,60		
Maximum power voltage (Vmp)	V	26,23	26,44	26,75	26,98	27,06	27,15		
Short circuit current (Isc)	A	6,85	6,92	6,95	7,00	7,05	7,11		
Maximum power current (Imp)	A	6,28	6,36	6,41	6,46	6,57	6,70		

*NOCT (800W/m², 37,5°C/ 25°C T.amb, 47,0°C/25,0°C T.module A.M. 1,5)



Operating temperature	from -40°C to + 85°C
Maximum system voltage	1000 V
Load capacity reverse current	15A / 20A
Maximum number of modules in series/parallel	21
Safety rating	A
Fire rating	C
Guaranteed power tolerance (PREMIUM SERIES)	-0/+3 Wp
Guaranteed power tolerance (STANDARD SERIES)	-3/+3 Wp

MATERIAL AND SPECIFICATIONS

Polycrystalline cells – size	mm	156x156
Extraclear glass, prismatic, tempered, high, transmittance grade depth	mm	3,2
N. of cells	n.	60
junction box, TUV certified, IP65 rated with		3 by-pass diodes/15 amp, with 4mm ² cable and 1 meter long each. Polarized not switchable Tyco IP67
Module size	mm	996x1666x38
Frame with 8 drainage holes		anodized aluminium alloy 15 µm garanted
Module weight	kg	18,5
Mechanical loading test (snow)	kg	551

WARRANTY

Material & workmanship warranty	10 years
power output warrenty	10 years 92% ; 25 years 83%
Product certifications IEC/EN	61215; 61730, classe of protection II conforme CE
Harsh environment test	salt spray and ammonia proof certification of reaction to fire UNI 9177 class 1 and 2
Company certification	iso 9001:2008; 14001:2004;ohsas 18001:2007
	www.solargreenenergy.it

TEMPERATURE COEFFICIENTS

temperature coefficients of Pmax	%/°C	-0,427
Temperature coefficients of Voc	%/°C	-0,309
Temperature coefficients of Isc	%/°C	0,042
Nominal operating cell temperature (NOCT)	°C	45 ±2°C

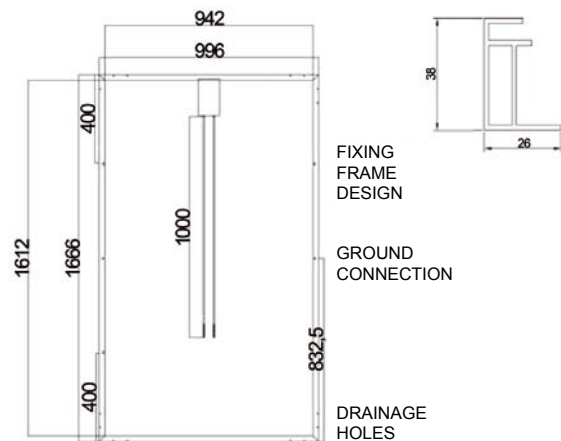
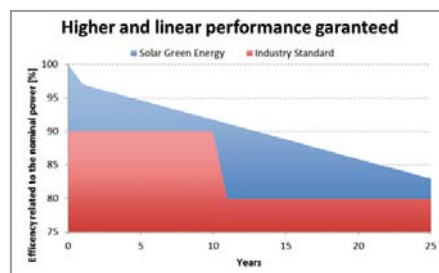
HEAVY LOADS RESISTANCE

Snow	551 Kg/m ²
Hailstorm	Ø28mm at 86 Km/h
Wind	3800 Pa

PACKING CONFIGURATION (PALLET)

		Weight
Horizontal	35 pcs/pallet	670 Kg
Pallet by container	14 psc	

* Pallet not stackables



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Offered to you by: