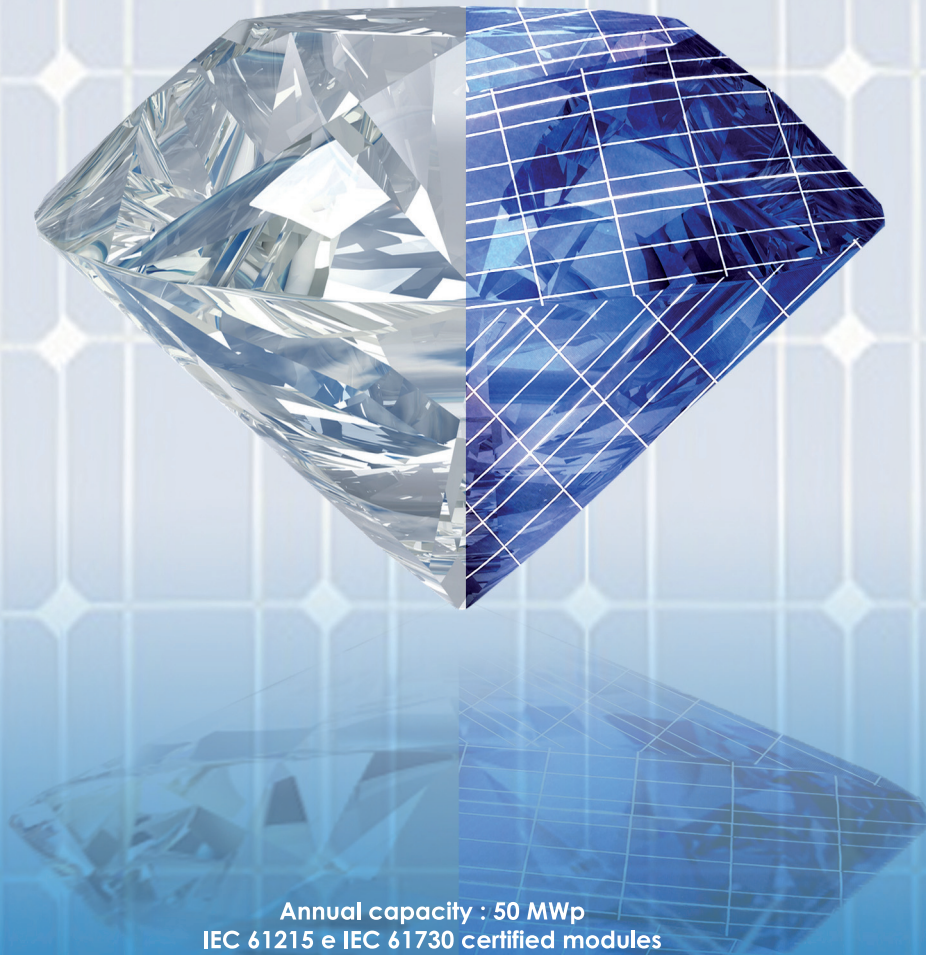




SPS istem srl

Italian producer of photovoltaic modules

VALUABLE TECHNOLOGY



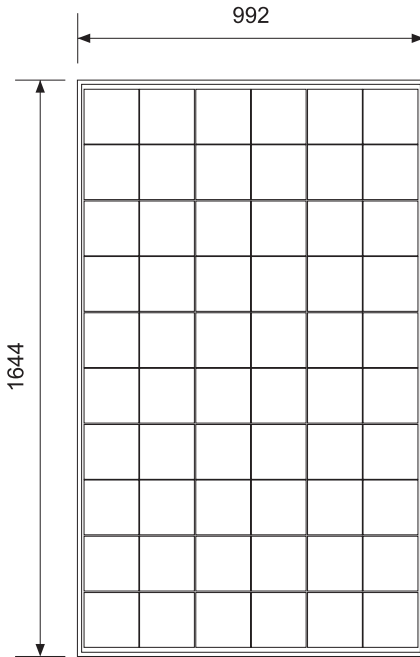
Annual capacity : 50 MWp
IEC 61215 e IEC 61730 certified modules
Standard range : 10 to 250 Wp modules
for stand-alone and grid-connected applications
SPS-INTEGRA : new product based on SOLRIF® system
with EU patent number EP 1 060 520 B1
Customized glass-glass modules for architectural
integrated systems



Certified Company
EN ISO 9001:2008

THE BEST MATERIALS - EXCLUSIVE TECHNOLOGIES - THE CUSTOM MADE SOLUTION
THE ITALIAN PRODUCTION

60 cells module

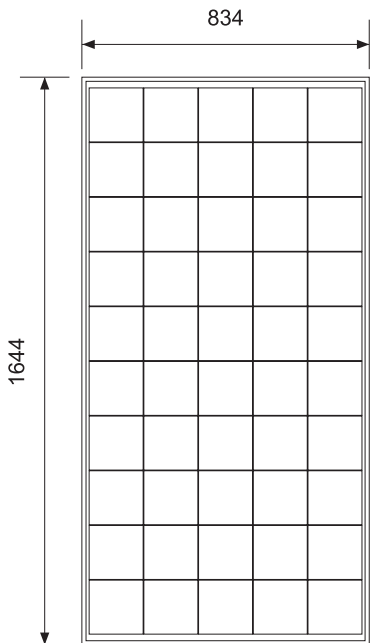


Technical data

	250P	245P <i>plus</i>	240P <i>plus</i>	235P <i>plus</i>	230P <i>plus</i>
Max power Pmax (W)	250	245	240	235	230
Max power voltage Vmp (V)	30,90	30,32	30,20	30,13	30,06
Max power current Imp (A)	8,09	8,08	7,95	7,80	7,65
Open circuit voltage Voc (V)	37,49	37,44	37,39	37,35	37,26
Short circuit current Isc (A)	8,60	8,58	8,45	8,25	7,98
Working tolerance (%)	+/-2	-0 +5	-0 +5	-0 +5	-0 +5
Max system voltage (V)	1000				
NOCT (°C)	43±2				
Cell efficiency (%)	17,40	17,20	17,00	16,60	16,20
Module efficiency (%)	15,45	15,35	15,20	14,86	14,72
Pmax temperature coefficient (%/°C)	-0,43				
Voc temperature coefficient (%/°C)	-0,34				
Isc temperature coefficient (%/°C)	0,03				
Weight (kg)	23,50				

Note 1: Standard conditions. Air mass 1.5, irradiance 1000 W/m², cell temperature 25 °C.
 Note 2: Values indicated are nominal.

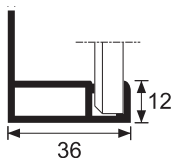
50 cells module



Technical data

	200P <i>plus</i>	195P <i>plus</i>	190P <i>plus</i>	185P <i>plus</i>
Max power Pmax (W)	200	195	190	185
Max power voltage Vmp (V)	25,64	25,66	25,23	24,73
Max power current Imp (A)	7,80	7,60	7,53	7,48
Open circuit voltage Voc (V)	31,19	31,19	30,99	30,65
Short circuit current Isc (A)	8,39	8,12	8,07	8,01
Working tolerance (%)	-0 +5			
Max system voltage (V)	1000			
NOCT (°C)	43±2			
Cell efficiency (%)	17,00	16,40	16,00	15,60
Module efficiency (%)	15,09	14,55	14,07	13,84
Pmax temperature coefficient (%/°C)	-0,43			
Voc temperature coefficient (%/°C)	-0,34			
Isc temperature coefficient (%/°C)	0,03			
Weight (kg)	17,50			

Note 1: Standard conditions. Air mass 1.5, irradiance 1000 W/m², cell temperature 25 °C.
 Note 2: Values indicated are nominal.



PV recycling



IEC 61215 and
IEC 61730
Certified



EN ISO 9001
certified company