



# C E R T I F I C A T E

Certificate No 08-PPV-00040/02-TIC

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

**AS220GKP**  
(Tested types)

And with Types extended for similarity\*  
- See Annex -

**LICENSE HOLDER:**  
**ArcticSolar AB**  
Företagscentrum, Box 840, SE  
98228 Gällivare - Sweden

&

**MANUFACTURING:**  
**ArcticSolar AB**  
Företagscentrum, Box 840, SE  
98228 Gällivare - Sweden

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

**EN 61730-1 / EN 61730-2 (2007)**  
(Photovoltaic (PV) module safety qualification)

To be used in plants at a total voltage up to :  
**1000 Vdc**

AS RESULT OF THE TEST IN OUR APPOINTED LABORATORY

**EUROTEST LABORATORI**  
(EA ACCREDITED LABORATORY N. 0192)

REPORT No. TIC-PVS01CdO08C366001

**Expiring date 13.10.2011**  
(Providing that the testing basis continues unchanged)

Notes: (\*)The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type AS220GKP. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test without Factory Inspection.



*Rob Behou*  
Responsible for the Test



14.10.2008

TUV INTERCERT Certification Body



# CERTIFICATE

## Annex 1 of

Certificate No 08-PPV-00040/02-TIC

THE PHOTOVOLTAIC MODULES WITH THE MODEL

### AS220GKP

(Tested types)

Cell Number	Cell Size	Power
60	6"	220

Types extended for similarity\* without need of re-testing  
(according to IECCE "Retesting guideline"):

Type	Cell Number	Cell Size	Power
AS240GKP*	60	6"	240
AS235GKP*	60	6"	235
AS230GKP*	60	6"	230
AS225GKP*	60	6"	225
AS215GKP/60*	60	6"	215
AS210GKP/60*	60	6"	210
AS205GKP/60*	60	6"	205
AS200GKP/60*	60	6"	200
AS215GKP*	54	6"	215
AS210GKP*	54	6"	210
AS205GKP*	54	6"	205
AS200GKP*	54	6"	200
AS195GKP*	54	6"	195
AS190GKP*	54	6"	190
AS185GKP*	54	6"	185
AS180GKP*	54	6"	180
AS175GKP/54*	54	6"	175
AS170GKP/54*	54	6"	170
AS165GKP/54*	54	6"	165
AS190GKP/48*	48	6"	190
AS185GKP/48*	48	6"	185
AS180GKP/48*	48	6"	180

Notes: (\*)The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type AS220GKP. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test without Factory Inspection.



M. B. [Signature]  
Responsible for the Test



14.10.2008  
TUV INTERCERT Certification Body

[Signature]

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# C E R T I F I C A T E

## Annex 2 of

**Certificate No 08-PPV-00040/02-TIC**

**Types extended for similarity\* without need of re-testing**  
(according to IECCE "Retesting guideline"):

Type	Cell Number	Cell Size	Power
AS175GKP*	48	6"	175
AS170GKP*	48	6"	170
AS165GKP*	48	6"	165
AS160GKP*	48	6"	160
AS143GKP*	36	6"	143
AS140GKP*	36	6"	140
AS135GKP*	36	6"	135
AS130GKP*	36	6"	130
AS125GKP*	36	6"	125
AS120GKP*	36	6"	120
AS92GKP*	72	6"x2"	92
AS90GKP*	72	6"x2"	90
AS87GKP*	72	6"x2"	87
AS85GKP*	72	6"x2"	85
AS83GKP*	72	6"x2"	83
AS80GKP*	72	6"x2"	80
AS69GKP*	36	6"x2"	69
AS67GKP*	36	6"x2"	67
AS65GKP*	36	6"x2"	65
AS64GKP*	36	6"x2"	64
AS62GKP*	36	6"x2"	62
AS60GKP*	36	6"x2"	60
AS47GKP*	36	6"x2"	47
AS46GKP*	36	6"x2"	46
AS44GKP*	36	6"x2"	44
AS43GKP*	36	6"x2"	43
AS40GKP*	36	6"x2"	40
AS34GKP*	36	6"x1.5"	34
AS32GKP*	36	6"x1.5"	32
AS30GKP*	36	6"x1.5"	30


Notes: (\*)The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type AS220GKP. Further details on certified models are reported on the attachment. Technical data, materials and components description are into the indicated test reports. Any changes of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval. The certification is performed on tested model as complete certification. This certificate is for type approval and based on voluntarily product test without Factory Inspection.

**TUV**  
**INTERCERT**

  
Responsible for the Test



14.10.2008

  
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