TÜV INTERCERT
Group of TÜV Saarland

CERTIFICATE

Certificate No. **12-PPV-0000209/06-TIC**

WE HEREBY CERTIFY THAT THE PHOTOVOLTAIC MODULES WITH THE MODEL

BRP6360064-225, BRM6360064-230, BRP6360064 - 220, BRP623604G4G4-130-1780, BRP6360064-240

(Tested Types)

And with Types extended for similarity*
- See Annex -

LICENSE HOLDER
Brandoni Solare S.p.A.
Via O.Pigini 8 I-60022 Castelfidardo (AN)

&

MANUFACTURER
Brandoni Solare S.p.A.
Via Jesina 3 I-60022 Castelfidardo (AN)

IS IN COMPLIANCE WITH THE REQUIREMENTS OF

IEC 61215 : 2005
Crystalline silicon terrestrial photovoltaic (PV) modules – Design qualification and type approval
&
EN 61730-1 : 2007 / 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
EA ACCREDITED LABORATORIES N. 0192 and N. 0951

REPORT No. **TIC-AR10TEST032, TIC-AR11TEST030, TIC-PVC01CdO08C394001, TIC-PVC02CdO08C394001, TIC-PVQ01CdO09C394002, TIC-PS201CdO09C394002, TIC-AR11TEST141,TIC-AR12TEST101**

Expiring date **28.06.2017**
(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 BRP6360064-225, BRM6360064-230, BRP6360064 - 220, BRP623604G4G4-130-1780, BRP6360064-240. 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. This certificate is for type approval and based on voluntarily product test with Factory Inspection. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.

Deutscher Akkreditierungs Rat
DAR
DAT-ZE-030/09-00

TÜV INTERCERT
Group of TÜV Saarland

Am Bonner Bogen 2, D-53227 Bonn, 29.06.2012

Ing. R. Bolzonaro
TÜV InterCert Certification Body

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TÜV INTERCERT
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CERTIFICATE

Annex 1 of

Certificate No. **12-PPV-0000209/06-TIC**

THE PHOTOVOLTAIC MODULES WITH THE MODELS

Tested Type	Cell Number	Cell Size	Cell technology	Power [W]
BRP6360064-225	60	6"	Policrystalline 3 BB	225
BRM6360064-230	60	6"	Monocrystalline 3 BB	230
BRP6360064-220	60	6"	Polycrystalline	220
BRP623604G4G4-130-1780	36	6"	Polycrystalline	130
BRP6360064-240	60	6"	Policrystalline 3BB	240

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

Type	Cell Number	Cell Size	Cell Technology	Power [W]
BRP6360064-XXX*	60	6"	Policrystalline 3BB	from 200 to 265
BRP6360064T-XXX*	60	6"	Policrystalline 3BB	from 200 to 265
BRP6360064F-XXX*	60	6"	Policrystalline 3BB	from 200 to 265
BRP6360064TF-XXX*	60	6"	Policrystalline 3BB	from 200 to 265
BRP6360064F-XXX-AE*	60	6"	Policrystalline 3BB	from 200 to 265
BRP6360064TF-XXX-AE*	60	6"	Policrystalline 3BB	from 200 to 265
Hybrid blu power module - XXX*	60	6"	Policrystalline 2BB/3BB	from 200 to 265
SBP-XXX*	60	6"	Policrystalline 2BB/3BB	from 200 to 265
BRPFVPH XXX*	60	6"	Policrystalline 2BB/3BB	from 200 to 265
BRP6260064-XXX*	60	6"	Policrystalline 2BB	from 200 to 265
BRP6260064T-XXX*	60	6"	Policrystalline 2BB	from 200 to 265
BRP6260064F-XXX*	60	6"	Policrystalline 2BB	from 200 to 265
BRP6260064TF-XXX*	60	6"	Policrystalline 2BB	from 200 to 265
BRP6260064F-XXX-AE*	60	6"	Policrystalline 2BB	from 200 to 265
BRP6260064TF-XXX-AE*	60	6"	Policrystalline 2BB	from 200 to 265
BRP6354064-XXX*	54	6"	Policrystalline 3BB	from 185 to 230
BRP6354064T-XXX*	54	6"	Policrystalline 3BB	from 185 to 230
BRP6354064F-XXX*	54	6"	Policrystalline 3BB	from 185 to 230

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type BRP6360064-225, BRM6360064-230, BRP6360064-220, BRP623604G4G4-130-1780, BRP6360064-240. 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. This certificate is for type approval and based on voluntarily product test with Factory Inspection. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.

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TÜV INTERCERT
Group of TÜV Saarland

Am Bonner Bogen 2, D-53227 Bonn, 29.06.2012

Ing. R. Bolzonaro
TÜV INTERCERT Certification Body

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Annex 2 of

Certificate No. **12-PPV-0000209/06-TIC**

THE PHOTOVOLTAIC MODULES WITH THE MODELS

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

Type	Cell Number	Cell Size	Cell Technology	Power [W]
BRP6354064TF-XXX*	54	6"	Policrystalline 3BB	from 185 to 230
BRP6354064F-XXX-AE*	54	6"	Policrystalline 3BB	from 185 to 230
BRP6354064TF-XXX-AE*	54	6"	Policrystalline 3BB	from 185 to 230
BRP6254064-XXX*	54	6"	Policrystalline 2BB	from 185 to 230
BRP6254064T-XXX*	54	6"	Policrystalline 2BB	from 185 to 230
BRP6254064F-XXX*	54	6"	Policrystalline 2BB	from 185 to 230
BRP6254064TF-XXX*	54	6"	Policrystalline 2BB	from 185 to 230
BRP6254064F-XXX-AE*	54	6"	Policrystalline 2BB	from 185 to 230
BRP6254064TF-XXX-AE*	54	6"	Policrystalline 2BB	from 185 to 230
BRP6348064-XXX*	48	6"	Policrystalline 3BB	from 165 to 210
BRP6348064T-XXX*	48	6"	Policrystalline 3BB	from 165 to 210
BRP6348064F-XXX*	48	6"	Policrystalline 3BB	from 165 to 210
BRP6348064TF-XXX*	48	6"	Policrystalline 3BB	from 165 to 210
BRP6348064F-XXX-AE*	48	6"	Policrystalline 3BB	from 165 to 210
BRP6348064TF-XXX-AE*	48	6"	Policrystalline 3BB	from 165 to 210
BRP6248064-XXX*	48	6"	Policrystalline 2BB	from 165 to 210
BRP6248064T-XXX*	48	6"	Policrystalline 2BB	from 165 to 210
BRP6248064F-XXX*	48	6"	Policrystalline 2BB	from 165 to 210
BRP6248064TF-XXX*	48	6"	Policrystalline 2BB	from 165 to 210
BRP6248064F-XXX-AE*	48	6"	Policrystalline 2BB	from 165 to 210
BRP6248064TF-XXX-AE*	48	6"	Policrystalline 2BB	from 165 to 210
BRP6336064-XXX*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336064T-XXX*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336064F-XXX*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336064TF-XXX*	36	6"	Policrystalline 3BB	from 125 to 160

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type BRP6360064-225, BRM6360064-230, BRP6360064-220, BRP623604G4G4-130-1780, BRP6360064-240. 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. This certificate is for type approval and based on voluntarily product test with Factory Inspection. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.

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TÜV INTERCERT
Group of TÜV Saarland

TÜV INTERCERT PC-4016

Am Bonner Bogen 2, D-53227 Bonn, 29.06.2012 Ing. R. Bolzonaro
TÜV InterCert Certification Body

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Annex 3 of

Certificate No. **12-PPV-0000209/06-TIC**

THE PHOTOVOLTAIC MODULES WITH THE MODELS

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

Type	Cell Number	Cell Size	Cell Technology	Power [W]
BRP6336064F-XXX-AE*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336064TF-XXX-AE*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6236064-XXX*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236064T-XXX*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236064F-XXX*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236064TF-XXX*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236064F-XXX-AE*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236064TF-XXX-AE*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6336044-XXX*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336044T-XXX*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336044F-XXX*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336044TF-XXX*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336044F-XXX-AE*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6336044TF-XXX-AE*	36	6"	Policrystalline 3BB	from 125 to 160
BRP6236044-XXX*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236044T-XXX*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236044F-XXX*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236044TF-XXX*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236044F-XXX-AE*	36	6"	Policrystalline 2BB	from 125 to 160
BRP6236044TF-XXX-AE*	36	6"	Policrystalline 2BB	from 125 to 160
BRP63 cc ss S -XXX*	cc<60	6"	Policrystalline 3BB	up to 265
BRP63 cc ss S T-XXX*	cc<60	6"	Policrystalline 3BB	up to 265
BRP63 cc ss S F-XXX*	cc<60	6"	Policrystalline 3BB	up to 265
BRP63 cc ss S TF-XXX*	cc<60	6"	Policrystalline 3BB	up to 265
BRP63 cc ss S F-XXX-AE*	cc<60	6"	Policrystalline 3BB	up to 265
BRP63 cc ss S TF-XXX-AE*	cc<60	6"	Policrystalline 3BB	up to 265

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type BRP6360064-225, BRM6360064-230, BRP6360064-220, BRP623604G4G4-130-1780, BRP6360064-240. 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. This certificate is for type approval and based on voluntarily product test with Factory Inspection. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.

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CERTIFICATE

Annex 4 of

Certificate No. **12-PPV-0000209/06-TIC**

THE PHOTOVOLTAIC MODULES WITH THE MODELS

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

Type	Cell Number	Cell Size	Cell Technology	Power [W]
BRP62 cc ss S -XXX*	cc<60	6"	Policrystalline 2BB	up to 265
BRP62 cc ss S T-XXX*	cc<60	6"	Policrystalline 2BB	up to 265
BRP62 cc ss S F-XXX*	cc<60	6"	Policrystalline 2BB	up to 265
BRP62 cc ss S TF-XXX*	cc<60	6"	Policrystalline 2BB	up to 265
BRP62 cc ss S F-XXX-AE*	cc<60	6"	Policrystalline 2BB	up to 265
BRP62 cc ss S TF-XXX-AE*	cc<60	6"	Policrystalline 2BB	up to 265
BRM6360064-XXX*	60	6"	Monocrystalline 3BB	from 220 to 255
BRM6360064T-XXX*	60	6"	Monocrystalline 3BB	from 220 to 255
BRM6360064F-XXX*	60	6"	Monocrystalline 3BB	from 220 to 255
BRM6360064TF-XXX*	60	6"	Monocrystalline 3BB	from 220 to 255
BRM6360064F-XXX-AE*	60	6"	Monocrystalline 3BB	from 220 to 255
BRM6360064TF-XXX-AE*	60	6"	Monocrystalline 3BB	from 220 to 255
BRM63 cc ss S -XXX*	cc<60	6"	Monocrystalline 3BB	up to 255
BRM63 cc ss S T-XXX*	cc<60	6"	Monocrystalline 3BB	up to 255
BRM63 cc ss S F-XXX*	cc<60	6"	Monocrystalline 3BB	up to 255
BRM63 cc ss S TF-XXX*	cc<60	6"	Monocrystalline 3BB	up to 255
BRM63 cc ss S F-XXX-AE*	cc<60	6"	Monocrystalline 3BB	up to 255
BRM63 cc ss S TF-XXX-AE*	cc<60	6"	Monocrystalline 3BB	up to 255
BRP623604G4G4-XXX-1708*	36	6"	Policrystalline 2BB	from 120 to 160
BRP623604G4G4-XXX-1708-AE*	36	6"	Policrystalline 2BB	from 120 to 160
BRP633604G4G4-XXX-1708*	36	6"	Policrystalline 3BB	from 120 to 160
BRP633604G4G4-XXX-1708-AE*	36	6"	Policrystalline 3BB	from 120 to 160
BRM633604G4G4-XXX-1708*	36	6"	Monocrystalline 3BB	from 120 to 160
BRM633604G4G4-XXX-1708-AE*	36	6"	Monocrystalline 3BB	from 120 to 160
BRP62 cc ss GvGw -XXX- LLWW*	cc<108	6"	Policrystalline 2BB	up to 320
BRP62 cc ss GvGw -XXX- LLWW-AE*	cc<108	6"	Policrystalline 2BB	up to 320

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type BRP6360064-225, BRM6360064-230, BRP6360064-220, BRP623604G4G4-130-1780, BRP6360064-240. 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. This certificate is for type approval and based on voluntarily product test with Factory Inspection. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.

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Am Bonner Bogen 2, D-53227 Bonn, 29.06.2012 Ing. R. Bolzonaro
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TÜV INTERCERT
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CERTIFICATE

Annex 5 of

Certificate No. **12-PPV-0000209/06-TIC**

THE PHOTOVOLTAIC MODULES WITH THE MODELS

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

Type	Cell Number	Cell Size	Cell Technology	Power [W]
BRP63 cc ss GvGw -XXX- LLWW*	cc<108	6"	Policrystalline 3BB	up to 320
BRP63 cc ss GvGw -XXX- LLWW-AE*	cc<108	6"	Policrystalline 3BB	up to 320
BRM63 cc ss GvGw -XXX- LLWW*	cc<108	6"	Monocrystalline 3BB	up to 320
BRM63 cc ss GvGw -XXX- LLWW-AE*	cc<108	6"	Monocrystalline 3BB	up to 320
BRP633606G4G4 – XXX – 1111*	36	6"	Policrystalline 3BB	from 120 to 160
BRP623606G4G4 – XXX – 1111*	36	6"	Policrystalline 2BB	from 120 to 160
BRP633606G4G4 – XXX – 1111-AE*	36	6"	Policrystalline 3BB	from 120 to 160
BRP623606G4G4 – XXX – 1111-AE*	36	6"	Policrystalline 2BB	from 120 to 160
BRP635406G4G4 – XXX – 1814*	54	6"	Policrystalline 3BB	from 185 to 230
BRP634806G4G4 – XXX – 1710*	48	6"	Policrystalline 3BB	from 165 to 210
BRP635406G4G4 – XXX – 1810*	54	6"	Policrystalline 3BB	from 185 to 230
BRP635404G4G4 – XXX – 1810*	54	6"	Policrystalline 3BB	from 185 to 230
BRP634806G4G4 – XXX – 1710*	48	6"	Policrystalline 3BB	from 165 to 210
BRP634804G4G4 – XXX – 1710*	48	6"	Policrystalline 3BB	from 165 to 210
BRP633606G4G4 – XXX – 1310*	36	6"	Policrystalline 3BB	from 120 to 160
BRP633604G4G4 – XXX – 1310*	36	6"	Policrystalline 3BB	from 120 to 160
BRP635206G4G4 – XXX – 1510*	52	6"	Policrystalline 3BB	from 185 to 230
BRP632804G4G4 – XXX – 1508*	28	6"	Policrystalline 3BB	from 95 to 130
BRP632804G4G4 – XXX – 1509*	28	6"	Policrystalline 3BB	from 95 to 130
BRP632804G4G4 – XXX – 1608*	28	6"	Policrystalline 3BB	from 95 to 130
BRP632804G4G4 – XXX – 1609*	28	6"	Policrystalline 3BB	from 95 to 130
BRP635406G4G4 – XXX – 1812*	54	6"	Policrystalline 3BB	from 185 to 230

Additional notes: cc inidicates number of cells, ss inidicates number of strings, LL and WW indicate module dimensions,
v indicates the thickness of the frontal glass in the glass-glass modules, w indicates the thickness of the back glass in the glass-glass modules,
S indicates the thicknessof the frontal glass in the glass backsheet modules, F indicates the frameless modules, T indicates modules with transparent backsheet

Notes: (*) The manufacturer declares that these products are constructed using the same materials, components and processes as the tested type BRP6360064-225, BRM6360064-230, BRP6360064-220, BRP623604G4G4-130-1780, BRP6360064-240. 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. This certificate is for type approval and based on voluntarily product test. The Manufacturer Inspection is conducted by TÜV INTERCERT on the base of the internal procedures.

Deutscher Akkreditierungs Rat
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DAT-ZE-030/09-00

TÜV INTERCERT
Group of TÜV Saarland

TÜV INTERCERT PCA 3160

Am Bonner Bogen 2, D-53227 Bonn, 29.06.2012 Ing. R. Bolzonaro
TÜV INTERCERT Certification Body

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