



Q.PEAK DUO-G5 315-330

Q.ANTUM SOLAR MODULE

The new **Q.PEAK DUO-G5** solar module from **Q CELLS** impresses thanks to innovative **Q.ANTUM DUO** Technology, which enables particularly high performance on a small surface. **Q.ANTUM**'s world-record-holding cell concept has now been combined with state-of-the-art circuitry half cells and a six-busbar design, thus achieving outstanding performance under real conditions — both with low-intensity solar radiation as well as on hot, clear summer days.



Q.ANTUM TECHNOLOGY: LOW LEVELISED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.9%.



INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.



ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology¹, Hot-Spot Protect and Traceable Quality Tra.Q™.



EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (4000 Pa).



A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty².



STATE OF THE ART MODULE TECHNOLOGY

Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with **Q.ANTUM** Technology.



www.VDEinfo.com
ID: 40032587



¹ APT test conditions according to IEC/TS 62804-1:2015, method B (-1500V, 168h)

² See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:



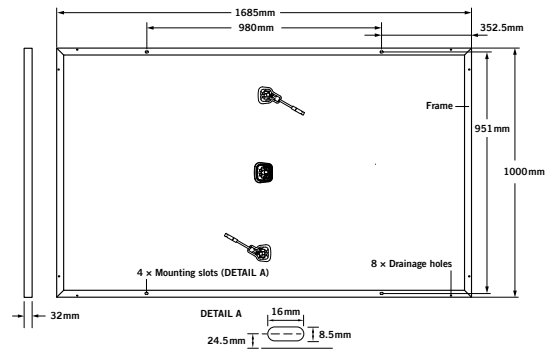
Rooftop arrays on residential buildings



Rooftop arrays on commercial/industrial buildings

MECHANICAL SPECIFICATION

Format	1685mm × 1000mm × 32mm (including frame)
Weight	18.7 kg
Front Cover	3.2mm thermally pre-stressed glass with anti-reflection technology
Back Cover	Composite film
Frame	Black anodised aluminium
Cell	6 × 20 monocrystalline Q.ANTUM solar half cells
Junction box	70-85mm × 50-70mm × 13-21mm Protection class IP67, with bypass diodes
Cable	4mm ² Solar cable; (+) 1100mm, (-) 1100mm
Connector	Multi-Contact, MC4, IP65 and IP68

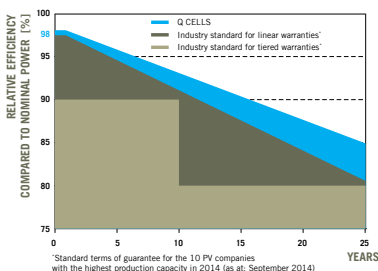


ELECTRICAL CHARACTERISTICS

POWER CLASS			315	320	325	330
MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC¹ (POWER TOLERANCE +5W / -0W)						
Minimum	Power at MPP²	P_{MPP} [W]	315	320	325	330
	Short Circuit Current*	I_{SC} [A]	10.04	10.09	10.14	10.20
	Open Circuit Voltage*	V_{OC} [V]	39.87	40.13	40.40	40.66
	Current at MPP*	I_{MPP} [A]	9.55	9.60	9.66	9.71
	Voltage at MPP*	V_{MPP} [V]	32.98	33.32	33.65	33.98
	Efficiency²	η [%]	≥ 18.7	≥ 19.0	≥ 19.3	≥ 19.6
MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NOC³						
Minimum	Power at MPP²	P_{MPP} [W]	233.4	237.2	240.9	244.6
	Short Circuit Current*	I_{SC} [A]	8.09	8.14	8.18	8.22
	Open Circuit Voltage*	V_{OC} [V]	37.30	37.54	37.79	38.04
	Current at MPP*	I_{MPP} [A]	7.51	7.56	7.60	7.64
	Voltage at MPP*	V_{MPP} [V]	31.07	31.39	31.70	32.01

¹1000W/m², 25°C, spectrum AM 1.5G ²Measurement tolerances STC ±3%; NOC ±5% ³800W/m², NOCT, spectrum AM 1.5G * typical values, actual values may differ

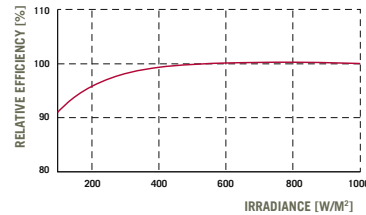
Q CELLS PERFORMANCE WARRANTY



At least 98% of nominal power during first year. Thereafter max. 0.54% degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25°C, 1000W/m²).

TEMPERATURE COEFFICIENTS

Temperature Coefficient of I_{SC}	α [%/K]	+0.04	Temperature Coefficient of V_{OC}	β [%/K]	-0.28
Temperature Coefficient of P_{MPP}	γ [%/K]	-0.37	Normal Operating Cell Temperature	NOCT [°C]	45

PROPERTIES FOR SYSTEM DESIGN

Maximum System Voltage	V_{SYS} [V]	1000	Safety Class	II
Maximum Reverse Current	I_R [A]	20	Fire Rating	C
Push/Pull Load (Test-load in accordance with IEC 61215)	[Pa]	5400/4000	Permitted Module Temperature On Continuous Duty	-40°C up to +85°C

QUALIFICATIONS AND CERTIFICATES

VDE Quality Tested, IEC 61215 (Ed. 2); IEC 61730 (Ed. 1), Application class A
This data sheet complies with DIN EN 50380.



PARTNER

NOTE: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

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Engineered in Germany

Q CELLS

LIMITED WARRANTY FOR CRYSTALLINE PHOTOVOLTAIC MODULES FROM HANWHA Q CELLS

Valid from July 1st, 2017

GENERAL TERMS

The Provider of these Limited Warranties for PV Modules (“these Limited Warranties”) is Hanwha Q CELLS (Qidong) Co., Ltd., No. 888 Linyang Road, Qidong 226200 Jiangsu, P.R. China (“Hanwha Q CELLS (Qidong)”). These Limited Warranties are facilitated by Hanwha Q CELLS Australia Pty. Ltd., Level 14, 20 Berry Street, North Sydney, NSW 2060, Australia (“Hanwha Q CELLS Australia”) on behalf of Hanwha Q CELLS (Qidong). The two entities are collectively referred to herein as “Hanwha Q CELLS”. Hanwha Q CELLS Australia can be contacted at service.au@q-cells.com or (02) 9016 3033.

The Limited Warranties provided herein apply exclusively to photovoltaic modules (the “PV Modules”) which have been manufactured by Hanwha Q CELLS (Qidong), imported into Australia by Hanwha Q CELLS Australia, and installed in Australia. These Limited Warranties further apply exclusively to PV Modules with the following nomenclature (Module Type):

- Q.POWER-G5, Q.POWER-G5.X, Q.POWER L-G5, Q.POWER L-G5.X
- Q.PRIME-G5, Q.PRIME-G5.X, Q.PRIME L-G5, Q.PRIME L-G5.X

Where you are purchasing as a “consumer” under the Australian Consumer Law (“ACL”):

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure, and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure; and

The benefits under these Limited Warranties are in addition to other rights and remedies you may have under law in relation to the PV Modules.

These Limited Warranties take effect from July 1st, 2017 and shall remain valid until a new version of these Limited Warranties applying to same territory is released by Hanwha Q CELLS.

Subject to Chapters III and IV hereof, Hanwha Q CELLS provides these Limited Warranties to “the Warrantee”. The Warrantee is the legal owner of the PV Modules (subject to Chapters III and IV hereof). This may be the original buyer of the PV Modules, subsequent purchasers of the PV Modules, or owners of complete solar PV systems comprising the PV Modules.

The “Warranty Start Date” is the earlier of the date of dispatch of the PV Modules to the original buyer from Hanwha Q CELLS factory plus six (6) calendar months or the date of receipt of the PV Modules by the original buyer. To determine the Warranty Start Date, contact Hanwha Q CELLS Australia at service.au@q-cells.com or (02) 9016 3033.

CHAPTER I: TWELVE YEARS LIMITED PRODUCT WARRANTY

Subject to Chapters III and IV hereof, Hanwha Q CELLS warrants to the Warrantee that the PV Modules shall be free from any defect in materials

and workmanship that has an effect on module functionality under normal application, installation, use and service conditions as specified in Hanwha Q CELLS standard product documentation as updated from time to time (the “Product Documentation”).

If, during a period of twelve (12) years from the “Warranty Start Date”, the PV Modules fail to conform to the warranty under this Chapter I (the “Twelve Years Limited Product Warranty”), then Hanwha Q CELLS will, at its sole discretion, either repair or replace the defective PV Modules, or refund the residual value¹ of the PV Modules at the time of Hanwha Q CELLS confirmation of the Warrantee’s claim.

For the avoidance of doubt, any cosmetic changes, or other changes in the PV Modules appearance, which include but not limited to any color change, abrasion, scratching, oxidation, mold and mechanical wear-out, or any other change attributable to or caused by the normal wear and tear over time, or localised impact, that occurs after the Warranty Start Date, shall be exempt from the Twelve Years Limited Product Warranty. The Warrantee will be entitled to make claims under the Twelve Years Limited Product Warranty only if the Warrantee has provided documented evidence sufficient to prove that the malfunctioning or non-conformity of the PV Modules results exclusively from the defect of the PV Modules and is covered by the Twelve Years Limited Product Warranty. For details of the specific information required to support the various types of possible claims, please contact Hanwha Q CELLS Australia.

The Twelve Years Limited Product Warranty shall only cover the claims received by Hanwha Q CELLS Australia before the end of the twelve years warranty period starting from the Warranty Start Date.

The remedies set forth in this Chapter I shall be the Buyer’s sole and exclusive remedies under the Twelve Years Limited Product Warranty.

The Twelve Years Limited Product Warranty does not warrant a specific power output of the PV Modules, which shall be exclusively covered under Chapter II hereinafter (the “Guaranteed Peak Power Output Limited Warranty”).

CHAPTER II: GUARANTEED PEAK POWER OUTPUT LIMITED WARRANTY

Provided that the PV Modules are used under normal application, installation, use and service conditions as specified in Hanwha Q CELLS Product Documentation and subject to Chapters III and IV hereof, the following Guaranteed Peak Power Output Limited Warranty is provided by Hanwha Q CELLS.

If the “Peak Power Output at STC”² for the PV Modules reduces below the guarantees specified in this Chapter II, Hanwha Q CELLS will, at its sole discretion, either a) provide additional PV Modules to the Warrantee, or b) repair the underpowered PV Modules, in either case, to restore the power output to the guaranteed level as specified in this Chapter II, or c) otherwise provide monetary compensation which shall be calculated by multiplying (x) the difference between the actual power output of the PV Modules and the guaranteed power output as specified in this Chapter II by (y) the then current per watt market price of the comparable PV Modules in a similar market.

¹ For the purpose of calculating the residual value, the formula shall be: the spot price of a comparable PV Module × (1 - a/12). In the above formula, “a” stands for the actual use life of the PV Modules starting from the Warranty Start Date.

² “Peak Power at STC” is the power in Watt peak that a PV module generates in its Maximum Power Point. “STC” are as follows (a) light spectrum of AM 1.5, (b) an irradiation of 1,000 W per m² and (c) a cell temperature of 25 degree centigrade at right angle irradiation. The measurements are carried out in accordance with IEC 60904 as tested at the connectors or junction box terminals – as applicable – per calibration and testing standards of Hanwha Q CELLS valid at the date of manufacture of the PV Modules. Hanwha Q CELLS calibration standards shall be compliant with the standards applied by international institutions accredited for this purpose.

1. First Year Guaranteed Peak Power Output Limited Warranty

Hanwha Q CELLS warrants that, for a period of one (1) year from the Warranty Start Date, the Peak Power Output at STC² of the poly PV Modules will not reduce to less than ninety-seven percent (97%) of the labeled power output classification as specified in Hanwha Q CELLS Product Documentation, and the Peak Power Output at STC² of the mono PV Modules will not reduce to less than ninety-seven percent (97%) of the labeled power output classification as specified in Hanwha Q CELLS Product Documentation.

2. Second Year to Twenty-fourth Year Guaranteed Peak Power Output Limited Warranty

Hanwha Q CELLS warrants that, for a period from and including the second year to the twenty-fourth year after the Warranty Start Date, the maximum annual decline of the Peak Power Output at STC² of the poly PV Modules will not be more than zero point six percent (0.6%) of the labeled power output classification as specified in Hanwha Q CELLS Product Documentation, and the Peak Power Output at STC² of the mono PV Modules will not be more than zero point seven percent (0.7%) of the labeled power output classification as specified in Hanwha Q CELLS Product Documentation.

3. 25 Years Guaranteed Peak Power Output Limited Warranty

Hanwha Q CELLS warrants that, for a period of twenty-five (25) years from the Warranty Start Date, the Peak Power Output at STC² of the poly PV Modules will not reduce to less than eighty-three percent (83%) of the labeled power output classification as specified in Hanwha Q CELLS Product Documentation, and the Peak Power Output at STC² of the mono PV Modules will not reduce to less than eighty-one point five percent (81.5%) of the labeled power output classification as specified in Hanwha Q CELLS Product Documentation.

4. For purpose of this Chapter II, labeled power output classification in Hanwha Q CELLS Product Documentation is the power in Watt peak that a PV Module generates in its maximum power point under STC. The actual power output of the PV Modules shall be determined for verification under STC only. The actual power output measurement shall be either carried out by a Hanwha Q CELLS entity or by a Hanwha Q CELLS recognized third party testing institute. Testing equipment tolerances will be applied to all actual power output measurements.

5. The Guaranteed Peak Power Output Limited Warranty shall only cover the claims received by Hanwha Q CELLS before the end of the respective warranty period in this Chapter II starting from the Warranty Start Date.

6. The remedies set forth in this Chapter II shall be the Warrantee's sole and exclusive remedies under the Guaranteed Peak Power Output Limited Warranty.

CHAPTER III: EXCLUSIONS AND LIMITATIONS

1. The exclusions and limitations listed below shall apply to all the warranties set forth in above Chapters I and II.

2. Exclusions and Limitations

a. The "Twelve Years Limited Product Warranty" and the "Guaranteed Peak Power Output Limited Warranty" do not apply when:

i. The PV Modules are improperly installed, wired, maintained, or are subjected to inadequate system design, or are damaged by auxiliary instrument or other devices, whether comprising part of the

photovoltaic power system or otherwise;

ii. The PV Modules are subjected to inappropriate handling, including but not limited to handling during transportation or storage, abuse, neglect, vandalism, vermin or accident;

iii. The PV Modules are moved from their original installation location, uninstalled, reinstalled or otherwise altered;

iv. The PV Modules are installed in an environment which exceeds "Operating Conditions" as defined in product specifications and installation manual, installed in a mobile or marine environment, subjected to improper voltage or power surges, abnormal environmental conditions (such as acid rain, salt damage or other corrosive chemical), or affected by dust, powders, assembled mass(es) or other pollutant(s) that is generated or resulted from an industrial setting and cannot be cleared through ordinary methods generally adopted by the PV Modules industry;

v. The PV Modules are subjected to inappropriate maintenance, including maintenance by a service technician not suitably qualified to undertake such work, or in non-conformance with Hanwha Q CELLS installation manual;

vi. The PV Modules are subjected to external accidents or forces such as animals, fire, explosion, and civil disorder;

vii. The PV Modules are subjected to other unforeseen circumstances or causes outside Hanwha Q CELLS reasonable control, including but not limited to, electrical surges, lightning, earthquakes, typhoons, hurricanes, tornadoes, volcanic action, floods, tsunamis, snow damage, hail, etc;

viii. The manufacture of the PV Modules is in accordance to the design, technical drawings, formulae or other specifications furnished by the Warrantee; or

ix. Any warranty claim, in any event, is not submitted to Hanwha Q CELLS within the applicable warranty period.

b. The Warrantee shall carry the burden of proof to prove that it is eligible for coverage and that none of the exclusions and limitations listed in this Chapter III shall apply.

CHAPTER IV: GENERAL TERMS AND CONDITIONS

The General Terms and Conditions listed below shall apply to all the warranties set forth in above Chapters I and II.

1. Disclaimers and Limitation of Liability

a. DISCLAIMERS

HANWHA Q CELLS PROVIDES ALL DOCUMENTS AND INFORMATION ON AN „AS IS“ BASIS. THE WARRANTIES PROVIDED HEREIN ARE IN LIEU OF AND EXCLUDE ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, USE OR APPLICATION, UNLESS I) SUCH OTHER WARRANTIES ARE EXPRESSLY AGREED TO IN WRITING BY HANWHA Q CELLS UNDER THE RELEVANT SALES AGREEMENT EXECUTED BETWEEN HANWHA Q CELLS AND THE WARRANTEE OR II) OTHER STATUTORY WARRANTY WHICH IS EXPRESSLY PROVIDED IN ANY APPLICABLE MANDATORY LAWS. HANWHA Q CELLS DOES NOT WARRANT THAT THE OPERATION OF THE PV MODULES WILL ACHIEVE THE RESULTS INTENDED BY THE WARRANTEE. IN THE EVENT THAT ANY PROVISION HEREOF (OR ANY PART THEREIN) SHOULD FOR ANY REASON BE HELD INEFFECTIVE UNDER APPLICABLE LAW, THE REMAINDER OF THE PROVISION

SHALL REMAIN IN FULL FORCE AND EFFECT.

THESE LIMITED WARRANTIES PROVIDED HEREIN ARE IN LIEU OF AND, OTHER THAN THE WARRANTEE'S STATUTORY RIGHTS, EXCLUDE ALL OTHER OBLIGATIONS ON THE PART OF HANWHA Q CELLS IN RELATION TO THE DEFECT OF THE PV MODULES UNLESS SUCH OTHER OBLIGATIONS ARE EXPRESSLY AGREED TO IN WRITING BY HANWHA Q CELLS UNDER THE RELEVANT SALES AGREEMENT.

b. LIMITATION OF LIABILITY

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, HANWHA Q CELLS HEREBY DISCLAIMS, AND SHALL HAVE NO RESPONSIBILITY OR LIABILITY WHATSOEVER FOR DAMAGE TO PROPERTY, OR FOR OTHER LOSS FROM ANY CAUSE WHATSOEVER ARISING OUT OF OR RELATED TO THE PERFORMANCE OR NONPERFORMANCE OF THE RELEVANT SALES AGREEMENT, ANY OF THE PV MODULES OR THEIR USE. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, UNDER NO CIRCUMSTANCES SHALL HANWHA Q CELLS BE LIABLE TO THE WARRANTEE, FOR ANY LOST PROFITS, LOSS OF USE, LOSS OF DATA OR EQUIPMENT DOWNTIME, OR FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND, HOWSOEVER ARISING, RELATED TO THE PV MODULES, WHETHER OR NOT HANWHA Q CELLS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, HANWHA Q CELLS AGGREGATE LIABILITY, IF ANY, FOR DAMAGES OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE RECEIVED BY HANWHA Q CELLS FROM THE WARRANTEE.

HANWHA Q CELLS LIABILITY FOR FRAUDULENT OR WILFUL INTENT, GROSS NEGLIGENCE OR PERSONAL INJURY, IN EACH CASE, UNDER APPLICABLE MANDATORY LIABILITY LAW SHALL REMAIN UNAFFECTED.

THE WARRANTEE ACKNOWLEDGES THAT THE FOREGOING LIMITATIONS ON LIABILITY UNDER THIS PARAGRAPH b. ARE AN ESSENTIAL ELEMENT OF THE RELEVANT SALES AGREEMENT BETWEEN THE PARTIES AND THAT IN THE ABSENCE OF SUCH LIMITATIONS THE PURCHASE PRICE OF THE PV MODULES WOULD BE SUBSTANTIALLY HIGHER.

SOME JURISDICTIONS LIMIT OR DO NOT PERMIT DISCLAIMERS OF LIABILITY, SO THIS PROVISION MAY NOT APPLY TO THE WARRANTEE IN SAID JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS OR THE EXCLUSION OF DAMAGES SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO THE WARRANTEE IN SAID JURISDICTION. THE WARRANTEE MAY HAVE SPECIFIC LEGAL RIGHTS OUTSIDE THIS LIMITED WARRANTY FOR PV MODULES, AND MAY ALSO HAVE OTHER MANDATORY RIGHTS THAT VARY FROM JURISDICTION TO JURISDICTION, WHICH SHALL REMAIN UNAFFECTED.

c. The warranty provided under Chapter I "Twelve Years Limited Product Warranty" and Chapter II "Guaranteed Peak Power Output Limited Warranty" covers only the transportation cost for reshipment of any repaired or replaced PV Modules to the destination port set forth in the relevant sales agreement, and cover neither customs clearance, taxes, any other costs related to installation, removal, or reinstallation of the PV Modules, nor any transportation charges for the return of PV Modules to Hanwha Q CELLS.

d. Warranty claims will be honored only if the PV Modules can be identified as being manufactured by Hanwha Q CELLS, as indicated by the information on the labels of the PV Modules.

2. Assignment of the Limited Warranty for PV Modules

These Limited Warranties for PV Modules in its entirety, extends only to the Warrantee, and is transferrable in its entirety to any other person to whom title to the PV Modules has been transferred provided that a) a prior written notice of such transfer has been received by Hanwha Q CELLS, and b) the PV Modules remain installed in their original installation location³.

3. Obtaining Warranty Performance/Claim Procedure

a. The PV Modules must be checked by the Warrantee for visible defects when they are delivered. Any defects discovered during this process must be reported immediately to the retailer that supplied the PV Modules (who shall immediately notify Hanwha Q CELLS Australia) or directly to Hanwha Q CELLS Australia. If visible defects are not reported immediately, Hanwha Q CELLS may refuse to honour these Limited Warranties.

b. To claim under these Limited Warranties, please contact the retailer that supplied the PV Modules or Hanwha Q CELLS Australia.

c. The Warrantee shall notify Hanwha Q CELLS promptly (in no event later than thirty (30) days) from discovery of any breach of these Limited Warranties for PV Modules within applicable warranty period. The notice shall be in writing and shall include the description of the claim, corresponding PV Modules serial number(s), proof of purchase such as the commercial invoice and sufficient evidence proving such breach of the Limited Warranty for PV Modules as requested by Hanwha Q CELLS Australia at the time of the claim.

d. The return of any PV Modules will not be accepted unless prior written authorization has been given by Hanwha Q CELLS.

e. Any replaced PV Modules shall become the property of Hanwha Q CELLS unless otherwise notified by it. Hanwha Q CELLS shall be entitled to deliver other comparable PV Modules (different in size, color, shape and/or power output performance) in situations where it deems fit. The repair or replacement of the PV Modules or the delivery with additional PV Modules shall not extend the applicable original warranty period of the "Twelve Years Limited Product Warranty" and the "Guaranteed Peak Power Output Limited Warranty".

³ This Limited Warranty for PV Modules applies only to PV-Modules that have been installed for the first time.

f. Hanwha Q CELLS (Qidong) will determine the manner in which it wishes Hanwha Q CELLS Australia to settle claims under these Limited Warranties. In all instances Hanwha Q CELLS (Qidong) will honour Hanwha Q CELLS Australia's obligations to consumers according to the ACL. At the sole discretion of Hanwha Q CELLS Australia, claims may be settled using the services of a customer service unit or a service partner designated by Hanwha Q CELLS Australia for the purposes of managing warranty claims.

g. PV Modules presented for repair under these Limited Warranties may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the PV Modules.

4. Disputes

a. Any dispute arising from or in connection with the claim(s) under these Limited Warranties for PV Modules shall be submitted to binding arbitration and subject to the choice of law as provided in the relevant sales agreement executed between Hanwha Q CELLS Australia and the Warrantee. Notwithstanding the above, Technical Related Disputes (as defined below) shall be first submitted to non-binding expert's evaluation as provided below.

b. For purpose of clarification, in this Limited Warranty for PV Modules, the term "Technical Related Disputes" shall mean disputes regarding the function or malfunction of the PV Modules or other related products. The Technical Related Disputes shall be evaluated by an expert appointed by one of the following test institutions listed in paragraph c. below. The appointed expert shall provide its expert opinion regarding the function of the PV Modules, and the causes of the malfunction (if applicable). The expert shall also provide a suggestion for the adequate resolution of the dispute including monetary compensation if needed. The specific institution which will appoint the expert shall be the institution in paragraph c. below whose physical location is the closest in distance to the location of the PV Modules in dispute.

CSIRO in Newcastle, NSW
PV Lab Australia in Canberra, ACT
Murdoch University in Perth, WA

c. The expert's opinion shall be non binding on either party to these Limited Warranties, but may be used as admissible evidence if the dispute is to be resolved through arbitration, court proceeding or any other form of dispute resolution that the parties may agree upon. For the avoidance of doubt, both parties reserve the right to submit the case to arbitration pursuant to paragraph a. above and to present alternative expert opinion(s) to the arbitration tribunal.

d. The parties shall cooperate to fully accommodate the appointed expert and shall provide the expert the necessary assistance to promptly complete its tasks. The parties shall bear the fees to be paid to the expert according to their degree of responsibility for any claim under these Limited Warranties.