

Esdec Solar Group
 Londenstraat 16
 7418 EE Deventer
 The Netherlands

Mounting approval for flatroof mounting at the long side frame flanges

1. This authorization document ("Authorization Document") is issued and released by Hanwha Solutions Corporation on behalf of the respective warrantor ("Hanwha Q CELLS") as named in the Hanwha Q CELLS Limited Warranty for crystalline photovoltaic modules ("Warranty").
2. The recipient of this Authorization Document ("Recipient") is permitted to mount the below listed modules at the rear side frame flanges of the long module sides with the following specifications in Table A.

Table A:

| MODULE TYPE | CLAMPING POSITION* (mm) | DESIGN LOAD [Pa] (Push / Pull) | TEST LOAD [Pa] (Push / Pull) | MOUNTING OPTION | |
|---|----------------------------|--------------------------------------|------------------------------------|---|--|
| Q.PEAK DUO (BLK)-G5(.X)(+) Q.PEAK DUO (BLK)-G6(.X)(+) Q.PEAK DUO (BLK)-G7(.X)(+) Q.PEAK DUO (BLK)-G8(.X)(+) | 410 – 450 | 2000 / 2000 | 3000 / 3000 | 2 rear-side flange clamps on each long side of frame (total of 4 clamps) | |
| Q.PEAK DUO L-G5(.Z) Q.PEAK DUO L-G7(.Z) | 410 – 450 | 1930 / 1600 | 2900 / 2400 | | |
| Q.PEAK DUO L-G6(.Z) Q.PEAK DUO L-G8(.Z) | 440 – 480 | | | | |
| Brackets indicate optional parts of the module names. If part of the name, ".X" will be replaced by ".2", ".4" or ".5" If part of the name, ".Z" will be replaced by ".1", ".2", ".3", ".4", ".5", ".6", ".7" or ".8" | | | | | |

*) Distance from the edge of the module to the middle of the clamp.

3. The mounting system itself has not been tested by Hanwha Q CELLS. The maximum allowed static load of the mounting system including the clamps has to be evaluated by an authorized mounting system supplier. The clamps must be moved entirely onto the frame flange at the module frame rear side.
4. Please note, that the certificates according to IEC 61215, IEC 61730 and UL 61730 standards do not include the mounting option at the frame rear side flange. Certified mounting options can be found in the applicable installation manual.
5. The backsheet of the module and the junction boxes must not touch any objects even when bending under mechanical loads. This includes but is not limited to the mounting system and ballast stones.
6. As long as you adhere to the terms and conditions of this Authorization Document and the Warranty, the MODULE TYPE, mounted and clamped as instructed in the installation manual, shall be covered by the Warranty.
7. No revisions are made to the existing terms of the Warranty. The respective warrantor as named in the Warranty shall remain as the warrantor and the terms of the Warranty shall remain AS IS, except as specifically referenced in this Authorization Document.

-- [Authorization Document continues on next page] --

* Q CELLS is a brand of Hanwha Solutions Corporation.

8. Please note that any damages caused by the mounting system are excluded from the Warranty.
9. Recipient may not transfer, assign or delegate any of its rights or obligation hereunder to any other person, without the prior written consent of Hanwha Solutions Corporation.
10. Any information contained in this Authorization Document is confidential and no part of this Authorization Document may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Hanwha Solutions Corporation.

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Hanwha Solutions Corporation

23F, 86 Cheonggyecheon-ro, Jung-gu, Seoul, Korea 04541

T: +82 (0)2 6049 0520, F: +82 (0)2 729 1372, W: www.q-cells.com