



## Approved Retaining Clips

This document provides a list of retaining clips compatible and approved for use with all First Solar FS Series 4 Modules, which includes the backwards compatibility with Series 2 and Series 3 Modules. This list does not provide recommendations or make evaluations on the final system design or loading requirements. Absence from the list does not indicate that the retaining clip is incompatible, only that the retaining clip has not been submitted to First Solar for testing and approval.

First Solar warrants its FS-Series 4 modules according to the First Solar Module Warranty Terms & Conditions (PD-5-102, "Module Warranty Terms & Conditions") provided modules are installed, operated and serviced as described in the First Solar User Guide (PD-5-200, "User Guide") and in the Site Registration document (PD-5-109, "Global Site Registration Form").

First Solar requires all system designs to be submitted for review and approval via the site registration process; therefore, for warranty purposes, every system with First Solar modules must be covered by a site registration. Project Developers and/or Customers should request this document from First Solar and obtain approval prior to equipment procurement and installation.

Approval of the following listed retaining clips is based upon and in accordance with the drawings and specifications effective at the time of evaluation. First Solar does not test clip longevity nor take responsibility for long-term performance. Compatibility with Series 4 modules is issued only with respect to tests outlined in PD-5-320-04. Thus, changes in design specifications or fabricator after First Solar approval may nullify the confirmation of compatibility. First Solar reserves the right to change the approval requirements for the retaining clip as well as a possible revocation of the retaining clip approval list.

<u>Clip Description &amp; Supplier Contact</u>	<u>First Solar Approval Document #</u>
<ul style="list-style-type: none"> <li> <b>First Solar Fast Mount</b>  <b>Mid Clip 20-00815-01, End Clip 20-00817-01</b>  First Solar  Tempe, AZ. <a href="http://www.FirstSolar.com">www.FirstSolar.com</a> </li> </ul>	<b>PD-5-321-145</b> <i>Clip Length: 60mm</i>
<ul style="list-style-type: none"> <li> <b>First Solar Fast Mount - Table</b>  <b>Mid Clip 20-00815-01, End Clip 20-00817-01, Clamp 20-00811</b>  First Solar  Tempe, AZ. <a href="http://www.FirstSolar.com">www.FirstSolar.com</a> </li> </ul>	<b>PD-5-321-146</b> <i>Clip Length: 60mm</i>
<ul style="list-style-type: none"> <li> <b>Akcome S4 Thin Film Module Clamp</b>  <b>Mid Clamp-S4-ZY-33, End Clamp-S4-BY-54</b>  Akcome Metals Technology  Economic Development Zone,Zhangjiagang,JiangSu,China 215600   <a href="mailto:akpv@akcome.com">akpv@akcome.com</a> </li> </ul>	<b>PD-5-321-147</b> <i>Clip Length: 80mm</i>
<ul style="list-style-type: none"> <li> <b>Sumitomo KF Thin Film Module Clip</b>  <b>KF Mid Clip, KF End Clip</b>  Sumitomo Corporation  4-5-33, Kitahama, Chuo-ku, Osaka 541-0041 Japan </li> </ul>	<b>PD-5-321-148</b> <i>Clip Length: 80mm</i>
<ul style="list-style-type: none"> <li> <b>Maruti Fast Mount</b>  <b>Mid Clip 20-00815-01, End Clip 20-00817-01</b>  Maruti  B-69, 70 Sector-5 Noida; Uttar Pradesh; India   <a href="mailto:sanjeevgrover@marutirubplast.com">sanjeevgrover@marutirubplast.com</a> </li> </ul>	<b>PD-5-321-150</b> <i>Clip Length: 60mm</i>
<ul style="list-style-type: none"> <li> <b>First Solar Fast Clip</b>  <b>Mid Clip 30-02259, End Clip 30-02256, Clamp 30-02205</b>  First Solar  Tempe, AZ. <a href="http://www.FirstSolar.com">www.FirstSolar.com</a> </li> </ul>	<b>PD-5-321-151</b> <i>Clip Length: 50mm</i>
<ul style="list-style-type: none"> <li> <b>Belectric Series 4 Clip</b>  <b>Mid Clip MK-A HR, End Clip MK-A HR</b>  Belectric  Wadenbrunner Str. 10, 97509 Kolitzheim, Germany   <a href="mailto:michael.scholler@belectric.com">michael.scholler@belectric.com</a> </li> </ul>	<b>PD-5-321-154</b> <i>Clip Length: 80mm</i>
<ul style="list-style-type: none"> <li> <b>Belectric Series 4 Clip</b>  <b>Mid Clip MK-A II HR, End Clip MK-A II HR</b>  Belectric  Wadenbrunner Str. 10, 97509 Kolitzheim, Germany   <a href="mailto:michael.scholler@belectric.com">michael.scholler@belectric.com</a> </li> </ul>	<b>PD-5-321-155</b> <i>Clip Length: 80mm</i>

- **Jurchen Series 4 Clip**  
**Mid Clip MK-A HR, End Clip MK-A HR** ..... **PD-5-321-156**  
Jurchen Technology  
Prinz-Ludwig- Straße 5, 97264 Helmstadt, Germany  
*Clip Length: 80mm*  
[Herbert.Heidel@jurchen-technology.com](mailto:Herbert.Heidel@jurchen-technology.com)
- **Jurchen Series 4 Clip**  
**Mid Clip MK-A II HR, End Clip MK-A II HR** ..... **PD-5-321-157**  
Jurchen Technology  
Prinz-Ludwig- Straße 5, 97264 Helmstadt, Germany  
*Clip Length: 80mm*  
[Herbert.Heidel@jurchen-technology.com](mailto:Herbert.Heidel@jurchen-technology.com)
- **Powerway Clip for FS Series 4**  
**Powerway Clip for FS Series 4 Mid Clip and End Clip** ..... **PD-5-321-158**  
Powerway  
No.11, Area D, Leping Industrial Park, Sanshui District, Foshan City, Guangdong Province, China  
*Clip Length: 70mm*  
[avrilmai@pvpowerway.com](mailto:avrilmai@pvpowerway.com)
- **MP-Tec laminate clamp FS4**  
**MP-Tec laminate clamp FS4 Mid Clip and End Clip** ..... **PD-5-321-159**  
MP-Tec  
Wilhelm-Conrad-Röntgen-Str. 10-12, 16225 Eberswalde  
*Clip Length: 80mm*  
[m.reifenstein@mp-tec.de](mailto:m.reifenstein@mp-tec.de)
- **Universal Frameless module clamp**  
**UNIVERSAL Intermediate and Final frameless module clamp** ..... **PD-5-321-160**  
UNIVERSAL  
Pol. Ind. El Oliveral, C/G, 22, nave 5, 46190 Ribarroja del Turia Valencia Spain  
*Clip Length: 100mm*  
[ventas2@universal99.com](mailto:ventas2@universal99.com)
- **Alomex Profiles S4 Clip**  
**Alomex Profiles Mid Clip NS 24-1084-15, End Clip NS 24-1084-16** ..... **PD-5-321-161**  
Alomexprofiles  
G34 & G35 Sipcot Industrial Park, Sriperumbudur – 602105 Tamilnadu, India  
*Clip Length: 70mm*  
[alomexprofiles@gmail.com](mailto:alomexprofiles@gmail.com)
- **Alomex Profiles S4 Clip**  
**Alomex Profiles Mid Clip NS 24-1084-17, End Clip NS 24-1084-18** ..... **PD-5-321-162**  
Alomexprofiles  
G34 & G35 Sipcot Industrial Park, Sriperumbudur – 602105 Tamilnadu, India  
*Clip Length: 80mm*  
[alomexprofiles@gmail.com](mailto:alomexprofiles@gmail.com)

- **Belectric Series 4 Clip**  
**Mid Clip MK-A HR, End Clip MK-A HR** PD-5-321-163  
Belectric  
Wadenbrunner Str. 10, 97509 Kolitzheim, Germany  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)  
*Clip Length: 90mm*
- **Belectric Series 4 Clip**  
**Mid Clip MK-A II HR, End Clip MK-A II HR** PD-5-321-164  
Belectric  
Wadenbrunner Str. 10, 97509 Kolitzheim, Germany  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)  
*Clip Length: 90mm*
- **Belectric Series 4 Clip**  
**Mid Clip MK-A HR, End Clip MK-A HR** PD-5-321-165  
Belectric  
Wadenbrunner Str. 10, 97509 Kolitzheim, Germany  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)  
*Clip Length: 100mm*
- **Belectric Series 4 Clip**  
**Mid Clip MK-A II HR, End Clip MK-A II HR** PD-5-321-166  
Belectric  
Wadenbrunner Str. 10, 97509 Kolitzheim, Germany  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)  
*Clip Length: 100mm*
- **Jurchen Series 4 Clip**  
**Mid Clip MK-A HR, End Clip MK-A HR** PD-5-321-167  
Jurchen Technology  
Prinz-Ludwig- Straße 5, 97264 Helmstadt, Germany  
[Herbert.Heidel@jurchen-technology.com](mailto:Herbert.Heidel@jurchen-technology.com)  
*Clip Length: 90mm*
- **Jurchen Series 4 Clip**  
**Mid Clip MK-A II HR, End Clip MK-A II HR** PD-5-321-168  
Jurchen Technology  
Prinz-Ludwig- Straße 5, 97264 Helmstadt, Germany  
[Herbert.Heidel@jurchen-technology.com](mailto:Herbert.Heidel@jurchen-technology.com)  
*Clip Length: 90mm*
- **Jurchen Series 4 Clip**  
**Mid Clip MK-A HR, End Clip MK-A HR** PD-5-321-169  
Jurchen Technology  
Prinz-Ludwig- Straße 5, 97264 Helmstadt, Germany  
[Herbert.Heidel@jurchen-technology.com](mailto:Herbert.Heidel@jurchen-technology.com)  
*Clip Length: 100mm*

- **Jurchen Series 4 Clip**  
**Mid Clip MK-A II HR, End Clip MK-A II HR** ..... **PD-5-321-170**  
 Jurchen Technology  
 Prinz-Ludwig- Straße 5, 97264 Helmstadt, Germany  
[Herbert.Heidel@jurchen-technology.com](mailto:Herbert.Heidel@jurchen-technology.com)  
*Clip Length: 100mm*
- **AP Alternatives module Clip**  
**Mid Clip A349-003-AA-AA, End Clip A349-002-AA-AA** ..... **PD-5-321-171**  
 AP Alternatives  
 20-345 County Road X, P.O. Box 326, Ridgeville Corners, OH  
[sales@apalternatives.com](mailto:sales@apalternatives.com)  
*Clip Length: 80mm*
- **First Solar Fast Mount Clip**  
**Mid Clip 20-00815-01, End Clip 20-00817-01, Clamp 20-00811-01** ..... **PD-5-321-173**  
 First Solar  
 Tempe, AZ. [www.FirstSolar.com](http://www.FirstSolar.com)  
*Clip Length: 60mm*
- **Alumero Series 4 Clip**  
**Laminatmidclip 6.8 TPE, Laminatendclip 6.8 TPE** ..... **PD-5-321-174**  
 Alumero Systematic Solutions GmbH  
 Sonnenweg 1-2, A-5164 Seeham  
[Wolfgang.Rosenstatter@alumero.at](mailto:Wolfgang.Rosenstatter@alumero.at)  
*Clip Length: 80mm*
- **ISS Series 4 Clip**  
**ISS-TFMC2/TFEC2 Clamp** ..... **PD-5-321-175**  
 Integrated Solar Solutions  
 Thailand  
[ehboys@gmail.com](mailto:ehboys@gmail.com)  
*Clip Length: 75mm*
- **Arctech Solar Thin Film Module Clamp - Series 4**  
**Mid Clip 2014MC001, End Clip 2014EC001** ..... **PD-5-321-176**  
 Arctech Solar Holding Co., Ltd.  
 Bldg. 5, No. 6, Baiyang Road, Lujia Town, Kunshan, Jiangsu, China (Mainland)  
*Clip Length: 80mm*
- **Schletter Eco6 - Series 4 Clips**  
**Mid Clip 133264-168, End Clip 133164-168** ..... **PD-5-321-177**  
 Schletter GmbH  
 Gewerbegebiet an der B15, Alustrasse 1, 83527 Kirchdorf/Haag i. OB  
[hans.urban@schletter.de](mailto:hans.urban@schletter.de)  
*Clip Length: 70mm*
- **Maruti Rub Plast**  
**Maruti Rub Plast Fast Mount S4 Mid/End Clip** ..... **PD-5-321-178**  
 Maruti Rub Plast Private Ltd  
 B-69, Sector-5, Noida- 201 301. U.P., India  
[nageshwar@marutirubplast.com](mailto:nageshwar@marutirubplast.com)  
*Clip Length: 70mm*

- **Proinso**  
**Proinso FS-IN Mid/End Clip** ..... **PD-5-321-179**  
Proinso Solar Energy Supplies  
2-22 Evergreen Industrial Estate, Shakti Mill Lane, Mahalaxmi  
Mumbai - 400011, India  
[asatam@sales-proinso.net](mailto:asatam@sales-proinso.net)  
*Clip Length: 80mm*
- **Alomexprofile S4 Clip**  
**Mid Clip NS 24-1084-19, End Clip NS 24-1084-20** ..... **PD-5-321-180**  
Alomex Profiles Pvt Ltd  
G34 & G35 Sipcot Industrial Park, Sriperumbudur - 602105  
Tamilnadu - India  
[alomexprofiles@gmail.com](mailto:alomexprofiles@gmail.com)  
*Clip Length: 70mm*
- **Alomexprofile S4 Clip**  
**Mid Clip NS 24-1084-21, End Clip NS 24-1084-22** ..... **PD-5-321-181**  
Alomex Profiles Pvt Ltd  
G34 & G35 Sipcot Industrial Park, Sriperumbudur - 602105  
Tamilnadu - India  
[alomexprofiles@gmail.com](mailto:alomexprofiles@gmail.com)  
*Clip Length: 80mm*
- **Alomexprofile S4 Clip**  
**Mid Clip NS 24-1084-23, End Clip NS 24-1084-24** ..... **PD-5-321-182**  
Alomex Profiles Pvt Ltd  
G34 & G35 Sipcot Industrial Park, Sriperumbudur - 602105  
Tamilnadu - India  
[alomexprofiles@gmail.com](mailto:alomexprofiles@gmail.com)  
*Clip Length: 100mm*
- **Clenergy S4 Clip**  
**Mid Clip ER-IC-FL/6.8/200, End Clip ER-EC-FL/6.8/200** ..... **PD-5-321-183**  
Clenergy  
11/20 Duerdin St, Clayton VIC 3168, Australia  
[jose.torres@clenergy.com.au](mailto:jose.torres@clenergy.com.au)  
*Clip Length: 200mm*
- **Belectric Series 4 Clip**  
**Mid Clip MK-A HR BP, End Clip MK-E HR BP** ..... **PD-5-321-184**  
Belectric Photovoltaic India Private Limited  
310/311,Acme Plaza, Andheri Kurla Road, Andheri(East).Mumbai 400059  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)  
*Clip Length: 60mm*
- **Belectric Series 4 Clip**  
**Mid Clip MK-A HR BP, End Clip MK-E HR BP** ..... **PD-5-321-185**  
Belectric Photovoltaic India Private Limited  
310/311,Acme Plaza, Andheri Kurla Road, Andheri(East).Mumbai 400059  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)  
*Clip Length: 70mm*
- **Belectric Series 4 Clip**  
**Mid Clip MK-A HR BP, End Clip MK-E HR BP** ..... **PD-5-321-186**  
Belectric Photovoltaic India Private Limited  
310/311,Acme Plaza, Andheri Kurla Road, Andheri(East).Mumbai 400059  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)  
*Clip Length: 80mm*

- **Jurchen Series 4 Clip**  
**Mid Clip MK-A HR BP, End Clip MK-E HR BP** PD-5-321-187  
Jurchen Technology (I) Pvt. Ltd. *Clip Length: 60mm*  
310-311, Acme Plaza, Andheri Kurla Road, Andheri East, Mumbai - 400059  
[amit.chheda@jurchen-technology.com](mailto:amit.chheda@jurchen-technology.com)
- **Jurchen Series 4 Clip**  
**Mid Clip MK-A HR BP, End Clip MK-E HR BP** PD-5-321-188  
Jurchen Technology (I) Pvt. Ltd. *Clip Length: 70mm*  
310-311, Acme Plaza, Andheri Kurla Road, Andheri East, Mumbai - 400059  
[amit.chheda@jurchen-technology.com](mailto:amit.chheda@jurchen-technology.com)
- **Jurchen Series 4 Clip**  
**Mid Clip MK-A HR BP, End Clip MK-E HR BP** PD-5-321-189  
Jurchen Technology (I) Pvt. Ltd. *Clip Length: 80mm*  
310-311, Acme Plaza, Andheri Kurla Road, Andheri East, Mumbai - 400059  
[amit.chheda@jurchen-technology.com](mailto:amit.chheda@jurchen-technology.com)
- **NEXTracker Series 4 Clip**  
**NX Clamp FSLR** PD-5-321-190  
NEXTracker, Inc *Clip Length: 50mm*  
6200 Paseo Padre Pkwy, Fremont CA, 94555, United States  
[twatson@NEXTracker.com](mailto:twatson@NEXTracker.com)
- **Mounting-Systems**  
**LMC CS FS TPE 6.8mm p-ass 700-0148, 702-0379** PD-5-321-191  
Mounting Systems GmbH *Clip Length: 80mm*  
Mittenwalder Str. 9a D 15834 Rangsdorf  
[F.Heymann@mounting-systems.com](mailto:F.Heymann@mounting-systems.com)
- **Mounting-Systems**  
**LMC TPE 7.0mm p-ass 700-0149, 702-0380** PD-5-321-192  
Mounting Systems GmbH *Clip Length: 80mm*  
Mittenwalder Str. 9a D 15834 Rangsdorf  
[F.Heymann@mounting-systems.com](mailto:F.Heymann@mounting-systems.com)
- **Pia Solar**  
**PIA160019A, PIA160020A FS clips** PD-5-321-193  
PiA Solar SA (Pty) Ltd *Clip Length: 80mm*  
ERF 896 Sardinia Bay Rd., Lovemore Park, Port Elizabeth, RSA, 6070  
[colin.muller@piasolar.com](mailto:colin.muller@piasolar.com)
- **INOGEN**  
**INOGEN S4 FS clips** PD-5-321-194  
INOGEN *Clip Length: 80mm*  
E-5 Yanyol Cad. No:180 Kaynarca, Pendik, İstanbul, Turkey  
[dursunaydoner@inogen.com.tr](mailto:dursunaydoner@inogen.com.tr)

- **Solar FlexRack**  
**SFR FS-4 4193, 4194** PD-5-321-195  
Solar FlexRack  
3207 INNOVATION PL YOUNGSTOWN, OH 44509  
*Clip Length: 80mm*  
[ghuzyak@solarflexrack.com](mailto:ghuzyak@solarflexrack.com)
- **Alusin Solar**  
**FS4MID80, FS4END80** PD-5-321-196  
Alusin Solar  
Polígono Industrial de Cancienes s/n 33470 Corvera. Asturias.SPAIN  
*Clip Length: 80mm*  
[jose.bayon@alusinsolar.com](mailto:jose.bayon@alusinsolar.com)
- **Preformed Line Products**  
**PLP-FSR4 End/Mid Clamp** PD-5-321-197  
Preformed Line Products Ltd.  
296 Moo 4, Lardkrabang Industrial Estate EPZ3, Chalongkrung Road,  
Lumphruteaw, Lardkrabang, Bangkok 10520, Thailand  
*Clip Length: 80mm*  
[parutec@preformed.asia](mailto:parutec@preformed.asia)
- **Clenergy S4 Clip**  
**ER-EC/IC-FL/6.8/80** PD-5-321-198  
Clenergy  
11/20 Duerdin St, Clayton VIC 3168, Australia  
*Clip Length: 80mm*  
[geza.anderson@clenergy.com](mailto:geza.anderson@clenergy.com)
- **Clenergy S4 Clip**  
**ER-EC/IC-FL/6.8/120** PD-5-321-199  
Clenergy  
11/20 Duerdin St, Clayton VIC 3168, Australia  
*Clip Length: 120mm*  
[geza.anderson@clenergy.com](mailto:geza.anderson@clenergy.com)
- **Clenergy S4 Clip**  
**ER-EC/IC-FL/6.8/150** PD-5-321-200  
Clenergy  
11/20 Duerdin St, Clayton VIC 3168, Australia  
*Clip Length: 150mm*  
[geza.anderson@clenergy.com](mailto:geza.anderson@clenergy.com)
- **Irradiance S4 Clip**  
**IRRF-MCT-003, IRRF-ECT-003** PD-5-321-201  
Irradiance Solar Co., Ltd.  
29/11 Moo 3 T.Nadee A.Muang Samutsakorn Samutsakorn 74000, Thailand  
*Clip Length: 80mm*  
[narumol@irradiance.co.th](mailto:narumol@irradiance.co.th)
- **Jurchen Series 4 Clip**  
**MK-A HR-60** PD-5-321-202  
Jurchen Technology (I) Pvt. Ltd.  
310-311, Acme Plaza, Andheri Kurla Road, Andheri East, Mumbai - 400059  
*Clip Length: 60mm*  
[amit.chheda@jurchen-technology.com](mailto:amit.chheda@jurchen-technology.com)



- **Jurchen Series 4 Clip**  
**MK-A HR-70** PD-5-321-203  
Jurchen Technology (I) Pvt. Ltd.  
310-311, Acme Plaza, Andheri Kurla Road, Andheri East, Mumbai - 400059  
*Clip Length: 70mm*  
[amit.chheda@jurchen-technology.com](mailto:amit.chheda@jurchen-technology.com)
- **Grace Solar S4 Clip**  
**Grace Solar GS TF** PD-5-321-204  
Grace Solar Technology Co., Ltd.  
No.E Gaoqi Industrial Park, Huli District, Xiamen, China  
*Clip Length: 80mm*  
[sales016@gracesolar.com](mailto:sales016@gracesolar.com)
- **Belectric Series 4 Clip**  
**MK-A II HR BP-60** PD-5-321-205  
BELECTRIC GmbH  
Wadenbrunner Str. 10, 97509 Kolitzheim, Germany  
*Clip Length: 60mm*  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)
- **Belectric Series 4 Clip**  
**MK-A II HR BP-70** PD-5-321-206  
BELECTRIC GmbH  
Wadenbrunner Str. 10, 97509 Kolitzheim, Germany  
*Clip Length: 70mm*  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)
- **Belectric Series 4 Clip**  
**MK-A II HR BP-80** PD-5-321-207  
BELECTRIC GmbH  
Wadenbrunner Str. 10, 97509 Kolitzheim, Germany  
*Clip Length: 80mm*  
[michael.scholler@belectric.com](mailto:michael.scholler@belectric.com)
- **Jurchen Series 4 Clip**  
**MK-A II HR BP-60** PD-5-321-208  
Jurchen Technology (I) Pvt. Ltd.  
310-311, Acme Plaza, Andheri Kurla Road, Andheri East, Mumbai - 400059  
*Clip Length: 60mm*  
[amit.chheda@jurchen-technology.com](mailto:amit.chheda@jurchen-technology.com)
- **Jurchen Series 4 Clip**  
**MK-A II HR BP-70** PD-5-321-209  
Jurchen Technology (I) Pvt. Ltd.  
310-311, Acme Plaza, Andheri Kurla Road, Andheri East, Mumbai - 400059  
*Clip Length: 70mm*  
[amit.chheda@jurchen-technology.com](mailto:amit.chheda@jurchen-technology.com)
- **Jurchen Series 4 Clip**  
**MK-A II HR BP-80** PD-5-321-210  
Jurchen Technology (I) Pvt. Ltd.  
310-311, Acme Plaza, Andheri Kurla Road, Andheri East, Mumbai - 400059  
*Clip Length: 80mm*  
[amit.chheda@jurchen-technology.com](mailto:amit.chheda@jurchen-technology.com)

- **Clenergy S4 Clip**  
**IC/EC-FL/GE/6.8/80** ..... **PD-5-321-211**  
 Clenergy  
 11/20 Duerdin St, Clayton VIC 3168, Australia  
[geza.anderson@clenergy.com](mailto:geza.anderson@clenergy.com)  
*Clip Length: 80mm*
- **Clenergy S4 Clip**  
**IC/EC-FL/GE/6.8/120** ..... **PD-5-321-212**  
 Clenergy  
 11/20 Duerdin St, Clayton VIC 3168, Australia  
[geza.anderson@clenergy.com](mailto:geza.anderson@clenergy.com)  
*Clip Length: 120mm*
- **Clenergy S4 Clip**  
**IC/EC-FL/GE/6.8/150** ..... **PD-5-321-213**  
 Clenergy  
 11/20 Duerdin St, Clayton VIC 3168, Australia  
[geza.anderson@clenergy.com](mailto:geza.anderson@clenergy.com)  
*Clip Length: 150mm*
- **Clenergy S4 Clip**  
**IC/EC-FL/GE/6.8/200** ..... **PD-5-321-214**  
 Clenergy  
 11/20 Duerdin St, Clayton VIC 3168, Australia  
[geza.anderson@clenergy.com](mailto:geza.anderson@clenergy.com)  
*Clip Length: 200mm*
- **Würth Group S4 Clip**  
**EPTE 7.0mm Series 4 clip** ..... **PD-5-321-215**  
 Würth  
 Würth USA Inc. 93 Grant Street Ramsey, NJ 07446  
[amaisterra@wurth.es](mailto:amaisterra@wurth.es)  
*Clip Length: 80mm*
- **S:Flex S4 Clip**  
**EPTE 7.0mm Series 4 clip** ..... **PD-5-321-216**  
 S:Flex  
 Unit 5, Skypark International, Blenheim Way, Liverpool L24 1YH, United Kingdom  
[info@sflex.com](mailto:info@sflex.com)  
*Clip Length: 80mm*
- **Sunlink S4 Clip**  
**End: 99-0011 & 00-0013, Center: 99-0010 & 99-0012** ..... **PD-5-321-217**  
 Sunlink  
 2131 Williams Street, San Leandro, CA 94577  
[sara.jacobs@sunlink.com](mailto:sara.jacobs@sunlink.com)  
*Clip Length: 90mm*
- **Sunlink S4 Clip**  
**End: 99-0015 & Center: 99-0014** ..... **PD-5-321-218**  
 Sunlink  
 2131 Williams Street, San Leandro, CA 94577  
[sara.jacobs@sunlink.com](mailto:sara.jacobs@sunlink.com)  
*Clip Length: 80mm*

- **Hopergy S4 Clip**  
**End: HOP-TED, Mid: HOP-TID** ..... **PD-5-321-219**  
Hopergy *Clip Length: 80mm*  
No.630, Tonghong Road, Tongan district, Xiamen 361100, China  
[info@hopergy.com](mailto:info@hopergy.com)
- **Alkor S4 Clip**  
**End: ALK-FS-END-02, Mid: ALK-FS-Middle** ..... **PD-5-321-220**  
Alkor *Clip Length: 80mm*  
İTOB Organize San. Bölgesi 10005 Sokak No.19 Tekeli Köyü - Menderes - İzmir / TÜRKİYE  
[solar@alkoraluminyum.com.tr](mailto:solar@alkoraluminyum.com.tr)
- **Broad Solar Tek**  
**End: BRO-XEC-BM, Mid: BRO-XIC-BM** ..... **PD-5-321-221**  
Broad Solar Tek *Clip Length: 80mm*  
Unit 0811, Building No.1, Xing Lin Operations Center, Xiamen, China  
[sophia.jiang@broadsolartek.com](mailto:sophia.jiang@broadsolartek.com)
- **Powerway S4 Clip**  
**PW-FS Series 4 Clip 2** ..... **PD-5-321-222**  
Powerway *Clip Length: 80mm*  
A-15 Floor, Foshan New & Hi-tech zone Technology Industrial Park, No.70 Guxin Road, Chancheng District, Foshan City, Guangdong Province, China  
[john@pvpowerway.com](mailto:john@pvpowerway.com)
- **Clenergy S4 Clip**  
**IC-FL/GE/6.8/60 and EC-FL/GE/6.8/60** ..... **PD-5-321-223**  
Clenergy *Clip Length: 60mm*  
11/20 Duerdin St, Clayton VIC 3168, Australia  
[geza.anderson@clenergy.com](mailto:geza.anderson@clenergy.com)
- **Valsa S4 Clip**  
**GLM/E-FSM-100-N** ..... **PD-5-321-224**  
Valsa *Clip Length: 100mm*  
Laser park, Battelship Rd.,Unit 7, Printech Park South  
[svilen@valsa.co.za](mailto:svilen@valsa.co.za)
- **Chiko S4 Clip**  
**Chiko Solar Fast Clip for Series 4** ..... **PD-5-321-225**  
Shanghai CHIKO Solar Technology Co., Ltd *Clip Length: 80mm*  
No 878 Chengliu Rd. Jiading dist. Shanghai 201801 China  
[sales@chikolar.com](mailto:sales@chikolar.com)

- **Empery Solar S4 Clip**  
**EPR-TMC Frameless Thin Film Clamps** PD-5-321-226  
Xiamen Empery Machinery & Electronics Co.,Ltd.  
Room 410, No.368, Quanyutong Business center,Xianhou She, Huli Districts.Xiamen,China  
*Clip Length: 80mm*  
[solar@empersolar.com](mailto:solar@empersolar.com)
- **Alomex Profiles S4 Clip**  
**Alomex Profile S 4 Mid Clip NS - 1084 - 25 H/End Clip NS - 1084 - 26 H** PD-5-321-227  
Alomexprofiles  
G34 & G35 Sipcot Industrial Park, Sriperumbudur – 602105 Tamilnadu, India  
*Clip Length: 70mm*  
[alomexprofiles@gmail.com](mailto:alomexprofiles@gmail.com)
- **Alomex Profiles S4 Clip**  
**Alomex Profile S 4 Mid Clip NS - 1084 - 27 H/End Clip NS - 1084 - 28 H** PD-5-321-228  
Alomexprofiles  
G34 & G35 Sipcot Industrial Park, Sriperumbudur – 602105 Tamilnadu, India  
*Clip Length: 80mm*  
[alomexprofiles@gmail.com](mailto:alomexprofiles@gmail.com)
- **INOGEN**  
**INOGEN S4 FS updated clip** PD-5-321-229  
INOGEN  
E-5 Yanyol Cad. No:180 Kaynarca, Pendik, İstanbul, Turkey  
*Clip Length: 80mm*  
[dursunaydoner@inogen.com.tr](mailto:dursunaydoner@inogen.com.tr)
- **Schletter Series 4**  
**Schletter Click Connection Clips** PD-5-321-230  
Schletter GmbH  
Gewerbegebiet an der B15, Alustrasse 1, 83527 Kirchdorf/Haag i. OB  
*Clip Length: 70mm*  
[hans.urban@schletter.de](mailto:hans.urban@schletter.de)
- **IS-YAPI**  
**IS-YAPI IS-TYPE 1-M/E-DOUBLE** PD-5-321-231  
IS-YAPI  
Koza Sokak 37/7, GOP 06700 Çankaya, Ankara, Turkey  
*Clip Length: 80mm*  
[info@is-yapi.com](mailto:info@is-yapi.com)
- **IS-YAPI**  
**IS-YAPI IS-TYPE 2-M/E-SINGLE** PD-5-321-232  
IS-YAPI  
Koza Sokak 37/7, GOP 06700 Çankaya, Ankara, Turkey  
*Clip Length: 80mm*  
[info@is-yapi.com](mailto:info@is-yapi.com)

- **UI Solar**  
**UI Solar UI-IC-Type4-70 and UI-EC-Type4-70** ..... **PD-5-321-233**  
UI Solar *Clip Length: 70mm*  
NO.146, 6TH FLOOR, UNIT3, 2ND PLANT, JIMEI DISTRICT, XIAMEN, CHINA ,361022  
[sales10@uisolar.com](mailto:sales10@uisolar.com)
- **UI Solar**  
**UI Solar UI-IC-Type4-80 and UI-EC-Type4-80** ..... **PD-5-321-234**  
UI Solar *Clip Length: 80mm*  
NO.146, 6TH FLOOR, UNIT3, 2ND PLANT, JIMEI DISTRICT, XIAMEN, CHINA ,361022  
[sales10@uisolar.com](mailto:sales10@uisolar.com)
- **Maruti**  
**Maruti 80mm Two Part** ..... **PD-5-321-235**  
Maruti Techno Rubber Privatre Ltd. *Clip Length: 80mm*  
B-69 & 70, Sector 5, Noida-201 301, Uttar Pradesh, India  
[nageshwar@marutirubplast.com](mailto:nageshwar@marutirubplast.com)
- **INOGEN**  
**INOGEN REV 3 S4 FS updated clip** ..... **PD-5-321-236**  
INOGEN *Clip Length: 80mm*  
E-5 Yanyol Cad. No:180 Kaynarca, Pendik, İstanbul, Turkey  
[dursunaydoner@inogen.com.tr](mailto:dursunaydoner@inogen.com.tr)
- **Stanwic**  
**Stanwic SW-TEC02-80/SW-TMC02-08** ..... **PD-5-321-237**  
Stanwic *Clip Length: 80mm*  
2nd floor, Building 102, Logistics Park, Tong' an Industry Group Area, Xiamen, China 361100  
[lynn@stanwic.com](mailto:lynn@stanwic.com)
- **Maruti**  
**Maruti 2 piece 70mm** ..... **PD-5-321-238**  
Maruti Techno Rubber Privatre Ltd *Clip Length: 70mm*  
B-69 & 70, Sector 5, Noida-201 301, Uttar Pradesh, India  
[nageshwar@marutirubplast.com](mailto:nageshwar@marutirubplast.com)
- **Oasis 3 Sunpower**  
**Oasis 3 Sunpower 2 piece clip** ..... **PD-5-321-239**  
SunPower *Clip Length: 70mm*  
1414 Harbour Way South, Richmond, CA 94804  
[Elizabeth.Schulte@sunpower.com](mailto:Elizabeth.Schulte@sunpower.com)

- **Akcome S4 Thin Film Module Clamp**  
**Mid Clamp-PC174/175-150, End Clamp-PC176/177-150** PD-5-321-240  
Akcome Metals Technology *Clip Length: 150mm*  
Economic Development Zone,Zhangjiagang,JiangSu,China 215600  
[akpv@akcome.com](mailto:akpv@akcome.com)
- **Akcome S4 Thin Film Module Clamp**  
**Mid Clamp- PC174/175-200, End Clamp-PC176/177-200** PD-5-321-241  
Akcome Metals Technology *Clip Length: 200mm*  
Economic Development Zone,Zhangjiagang,JiangSu,China 215600  
[akpv@akcome.com](mailto:akpv@akcome.com)