

# SOLARLOK PV EDGE DECENTRALIZED JUNCTION BOX

TE Connectivity's (TE) SOLARLOK PV Edge decentralized junction box is the first clamping and non-potting junction box in the market using the edge as a relevant position for the mounting without hole drilling. The flaps (available in different shoulder heights) protect the foils and the user so it is a pure IEC & UL approved 1500V solution. Due to a clamping and non-potted design, the installation is extremely quick and no curing time delay of >6hrs applies.



## Applications

- Building integrated photovoltaics (BIPV) panels
- Bifacial solar panels
- Half cell solar panel

## Electrical

- **Rated Current:** 15A standard version  
17A special version
- **Withstanding Voltage:** 1500V DC (UL)  
1500V DC (TUV/IEC)

## Mechanical

- **Temperature Range:** -40 to +115°C

## Specifications

- **Product Specification:** [108-32122](#)
- **Application Specification:** [114-32157](#)

## Materials - Cover and Base Housing

- Polyphenyl ethers (PPE)
- Polystyrene (PS)

## Standards

- 1500V UL approved per UL3703
- 1500V TUV approved per IEC62790

## Benefits

- Quick installation time with a line and no potting necessary
- Reliability is increased with no holes in the panels that can cause damage
- Better heat transfer in case of shading with diode in separate compartment
- Increase power handling by 2A with thermal pad design
- Reduce foil installation time with the lid and base angled (shaped) design
- Available in E-W and N-S rail directions to cover all possible module layouts
- Provides waterproof protection and is rated IP68 (1 m / 24 hours)
- Use of vent for humidity control
- Includes integrated PV4-S interface into the junction box

# SOLARLOK PV EDGE DECENTRALIZED JUNCTION BOX

## Product Selection Information



### Glass-Glass Edge Mount Application with Flap

Foil Orientation	Used Clip	Flap	Fixing Tape	Left Box minus coded (male interface)	Center Box (no interface)	Right Box plus coded (female interface)
North - South	S-Clip	Standard	No	<a href="#">2306314-2</a>	<a href="#">2306314-5</a>	<a href="#">2306314-1</a>
			Yes	<a href="#">1-2306314-2*</a>	<a href="#">1-2306314-5*</a>	<a href="#">1-2306314-1*</a>
	Large	No	<a href="#">2307520-2</a>	<a href="#">2307520-5</a>	<a href="#">2307520-1</a>	
		Yes	<a href="#">1-2307520-2</a>	<a href="#">1-2307520-5</a>	<a href="#">1-2307520-1</a>	
	Omega-Clip	Standard	No	<a href="#">2306316-2</a>	<a href="#">2306316-5</a>	<a href="#">2306316-1</a>
			Yes	<a href="#">1-2306316-2</a>	<a href="#">1-2306316-5</a>	<a href="#">1-2306316-1</a>
Large	No	<a href="#">2307521-2</a>	<a href="#">2307521-5</a>	<a href="#">2307521-1</a>		
Yes	<a href="#">1-2307521-2</a>	<a href="#">1-2307521-5</a>	<a href="#">1-2307521-1</a>			

### Traditional Mid-Panel Application

Foil Orientation	Used Clip	Flap	Fixing Tape	Left Box minus coded (male interface)	Center Box (no interface)	Right Box plus coded (female interface)
East - West	S-Clip	No	No	<a href="#">4-2306315-2</a>	<a href="#">4-2306315-5</a>	<a href="#">4-2306315-1</a>
			Yes	<a href="#">5-2306315-2*</a>	<a href="#">5-2306315-5*</a>	<a href="#">5-2306315-1*</a>
	Omega-Clip	No	No	<a href="#">4-2306317-2</a>	<a href="#">4-2306317-5</a>	<a href="#">4-2306317-1</a>
			Yes	<a href="#">5-2306317-2</a>	<a href="#">5-2306317-5</a>	<a href="#">5-2306317-1</a>

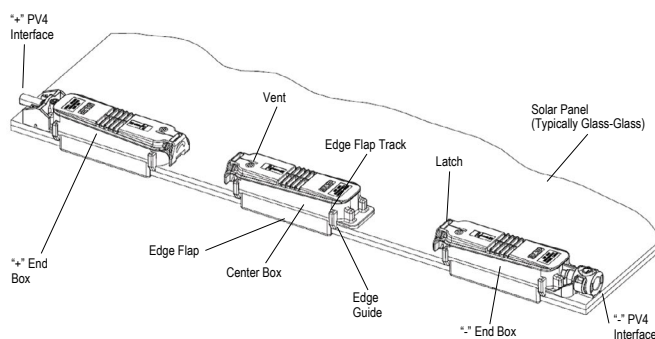
\*PREFERRED PART NUMBERS

### 1500V PV4-S cable jumpers (4mm<sup>2</sup>/AWG12)

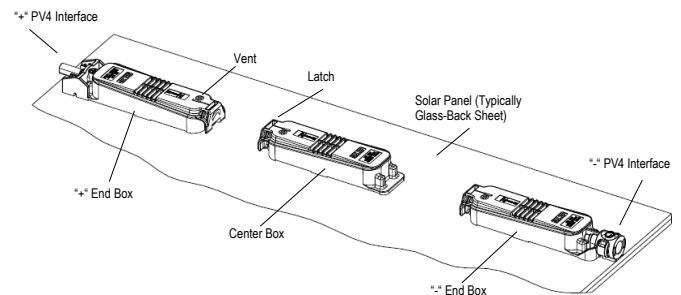
Description	Size (mm)	Part Number
PV4-S Male to Female Cable Jumpers	300	<a href="#">2213759-1</a>
PV4-S Male to Female Cable Jumpers	500	<a href="#">2213759-3</a>
PV4-S Male to Female Cable Jumpers	1000	<a href="#">2213759-8</a>



### Glass-Glass Edge Mount Application with Flap



### Traditional Mid-Panel Application



te.com

© 2018 TE Connectivity. All Rights Reserved. SOLARLOK, TE, TE Connectivity, and the TE connectivity (logo) are trademarks of TE Connectivity. Other logos, product and Company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

1-1773904-6 JN 11/2018

USA: +1 (800) 522-6752  
 Canada: +1 (905) 475-6222  
 Mexico: +52 (0) 55-1106-0800  
 Latin/S. America: +54 (0) 11-4733-2200  
 Germany: +49 (0) 6251-133-1999  
 UK: +44 (0) 800-267666  
 France: +33 (0) 1-3420-8686  
 The Netherlands: +31 (0) 73-6246-999  
 China: +86 (0) 400-820-6015



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.